

**GROUNDWATER MONITORING – SEMI-ANNUAL EVENT  
SEPTEMBER 2002  
BOEING REALTY CORPORATION  
FORMER C-6 FACILITY  
LOS ANGELES, CALIFORNIA**

**by**

**Haley & Aldrich, Inc.  
San Diego, California**

**for**

**Boeing Realty Corporation  
Long Beach, California**

**File No. 29125-002  
November 18, 2002**

**GROUNDWATER MONITORING  
SEMI-ANNUAL EVENT – SEPTEMBER 2002**

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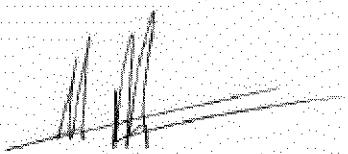
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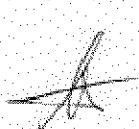
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## **I. INTRODUCTION**

Haley & Aldrich, Inc. (H&A) has prepared this report on behalf of Boeing Realty Corporation (BRC) in order to document the Groundwater Monitoring Semi-Annual Event (2002 Semi-Annual event) conducted at the former C-6 Facility in Los Angeles, California (Site).

The 2002 Semi-Annual event was conducted at the Site from September 13 to 19, 2002. The program included the following activities:

- Groundwater elevation measurements in 29 wells;
- Groundwater samples from 15 wells and subsequent analysis for volatile organic compounds (VOCs) by US Environmental Protection Agency (EPA) Method 8260B; and
- Monitored natural attenuation (MNA) parameter measurements in three wells for dissolved oxygen (DO), oxidation-reduction potential (ORP), and pH.

This report provides documentation and discussion of the 2002 Semi-Annual event.

## **II. SITE BACKGROUND**

### **2.01 Site Location**

The Site is located at 19503 South Normandie Avenue, in Los Angeles, California. The Site occupies approximately 170 acres in an area located between the cities of Torrance to the west and Carson to the east.

The Site is bound on the north by 190<sup>th</sup> Street; on the east by Normandie Avenue; on the west by the former Industrial Light Metals (ILM) facility; and on the south by the former Montrose Chemicals facility and a residential area. A Site location plan is included as Figure 1 and a Site plan as Figure 2.

### **2.02 Site History**

The Site was reportedly used for the manufacturing of aircraft and aircraft parts for 40 years, between 1952 and 1992. Prior to that time, industrial uses of the Site included aluminum and steel production. Before 1940, the Site was reportedly farmland. A limited amount of assembly and activities related to warehousing continued through mid-2000. The Site is currently demolished, with various stages of redevelopment activities underway.

Groundwater investigation activities began in 1987 at the Site. Forty groundwater monitoring wells have been installed at the Site. Fourteen of these 40 wells have since been removed as a result of redevelopment activities. Prefixes of Site groundwater monitoring wells include BL, DAC, WCC, TMW and XMW. Table 1 is a compilation of the groundwater monitoring well details.

## 2.03 Regional Geology and Hydrogeology

A description of the geology and hydrogeology of the region surrounding the Site is drawn from reports published by the U.S. Geological Survey (USGS) (Poland and others, 1959) and the California Department of Water Resources (DWR, 1961). Reference is also made to previous Site reports prepared by Kennedy/Jenks Consultants (Kennedy/Jenks Consultants, 2000).

The Site is located on a broad plain at an approximate elevation of 52 feet above mean sea level (MSL). The DWR and USGS define this area as the Torrance Plain, a Pleistocene-age marine surface and subdivision of the West Coast Basin/Coastal Plain of Los Angeles and Orange Counties. The ground surface is generally flat, with an eastward gradient of approximately 20 feet per mile (less than one-half percent). Surface drainage is generally toward the Dominguez Channel, approximately one mile to the east. The Dominguez Channel flows southeastward toward the Los Angeles and Long Beach Harbors, in San Pedro Bay.

The West Coast Basin includes a thick sequence (up to 13,000 feet) of marine and continental sediments (Miocene to Recent), deposited in a broad synclinal depression over a basement complex of igneous and metamorphic rocks. The uppermost sequence of deposits of interest within the West Coast Basin is as follows:

Youngest	Active Dune Sand
↑	Alluvium
	Older Dune Sand
↓	Lakewood Formation (upper Pleistocene)
Oldest	San Pedro Formation (lower Pleistocene)

The dune sands and alluvium are not present at the Site. The Lakewood Formation is mapped at the surface in the Site vicinity.

The Lakewood Formation (DWR, 1961), includes the upper Pleistocene deposits located in the sediments of the Los Angeles Coastal Plain area. These deposits are of marine and continental origin, and represent stream transport and sedimentation along the Pleistocene marine plain. In the Site area, the Lakewood Formation also may include the Semi-perched aquifer, the Bellflower Aquitard, and the Gage Aquifer. The Semi-perched aquifer includes deposits described as Terrace Cover (Poland and others, 1959). Based on correlations between Site stratigraphic and adjacent sites data, it appears that the Semi-perched aquifer is absent from the Site. The Bellflower Aquitard is a heterogeneous mixture of continental, marine, and wind-blown sediments, consisting mainly of clays with sandy and gravelly lenses (DWR, 1961). The elevation of the base of the Bellflower Aquitard is at about -100 feet MSL or about 150 feet below ground surface (bgs) in the Site area. The Gage Aquifer is a water-bearing zone of fine to medium sand and gravel confined by the Bellflower Aquitard. It is reported to be approximately 40 feet thick in the Site area.

The Lakewood Formation is underlain by the Lower Pleistocene San Pedro Formation, which continues to approximately 1,000 feet bgs in the Site area. The major water-bearing zones within the San Pedro Formation are the Lynwood Aquifer and the Silverado Aquifer. These are reported to occur at approximately 300 and 500 feet bgs, respectively, in the Site area (DWR,

1961). The Silverado Aquifer is an important groundwater source in the Coastal Plain, and considered a source of drinking water (DWR, 1961).

## 2.04 Site Geology and Hydrogeology

### A. Geology

Groundwater monitoring wells and soil borings drilled at the Site encountered the Lakewood Formation. Monitoring well borings were drilled from the ground surface to depths ranging from 79 to 140 feet bgs. The top 20 to 50 feet below the Site consisted of mainly fine-grained soils (predominantly silts and clays) that become thicker to the east. A sandy zone that dips downward to the east, underlies the fine-grained soils. The sandy zone is generally 80 to 100 feet thick and contains interbedded layers of fine-grained sediment that also dip down to the east.

### B. Hydrogeology

Groundwater samples from monitoring wells at the Site have been collected and analyzed on a regular basis since 1987. The uppermost groundwater at the Site appears to be under water table conditions at elevations of approximately -12 to -16 feet MSL (64 to 68 feet bgs). Regionally, this upper most groundwater appears to be within relatively permeable sediments of the Bellflower Aquitard. Most of the monitoring wells completed in the Bellflower Aquitard are at or near the water table with screened depths ranging from approximately 58 to 91 feet bgs. Two deeper wells, WCC-1D and WCC-3D, were completed in a deeper zone with screened depths from approximately 120 to 140 feet bgs. Both of these wells have since been abandoned (Table 1).

The following primary hydrogeologic units are recognized in the general vicinity of the Site:

FORMATION	HYDROSTRATIGRAPHIC UNIT		
<i>Lakewood Formation (Upper Pleistocene)</i>	Bellflower Aquitard	Upper Bellflower Aquitard (UBF)	
		Middle Bellflower Aquitard (MBF, MBFM, MBFC, MBFB/C)	
		Lower Bellflower Aquitard (LBF)	
	Gage Aquifer (GAGE)		
<i>San Pedro (Lower Pleistocene)</i>		Gage Lynwood Aquifer (GLA)	
		Lynwood Aquifer (LYNWOOD)	
		Unnamed Aquifer	
		Silverado Aquifer	

The relatively fine-grained Upper Bellflower Aquitard (UBF) is continuous across the area, but thins to the northwest. The UBF is comprised of laminated to massive yellowish brown muds, with local sands and fossiliferous zones. The UBF is found at the surface beneath the Site and is approximately 70 feet thick. A generalized geologic cross-section is included as Figure 3.

The Middle Bellflower Aquitard (MBF) is a massive, light yellowish brown, fine to medium sand, with local muddy zones. An extensive mud layer referred to as the Middle Bellflower Mud (MBFM) locally interrupts this sand. Where divided, the sand subunits are referred to as

the B-Sand (MBFB) and C-Sand (MBFC). The top of the MBFB is found at an approximate elevation of -12 to -20 feet MSL (64 to 72 feet bgs) at the Site, and is generally from 25 feet to 40 feet thick. The MBFM is discontinuous across the area, and is comprised of laminated silts, layered silts, and very fine sands. Deeper borings at the former ILM facility and the Site do not always encounter the MBFM. The top of the MBFC is found at an approximate elevation of – 45 to –55 feet MSL (97 to 107 feet bgs) at the Site (Figure 3).

The fine-grained Lower Bellflower Aquitard (LBF) is reported continuous across the area. The top of the LBF occurs at an approximate elevation of –62 to –98 feet MSL (114 to 150 feet bgs), and ranges in thickness from 10 to 25 feet thick (Figure 3). The LBF separates the Bellflower sands from the underlying Gage Aquifer. The Gage Aquifer in the Site vicinity is predominantly sand, and ranges in thickness from 40 to 78 feet. No monitoring wells have been drilled into the Gage Aquifer at the Site (Kennedy/Jenks Consultants, 2000).

### III. GROUNDWATER SAMPLING PROCEDURES

#### 3.01 Monitoring Plans

The 2002 Semi-Annual event at the Site was conducted from September 13 to 19, 2002, by Tait Environmental Management, Inc. (TEM) field personnel. Work was conducted in accordance with the following documents:

- *Groundwater Monitoring Workplan 2002* by Haley & Aldrich, Inc., dated December 20, 2001, approved by the Los Angeles Regional Water Quality Control Board (LARWQCB) on January 25, 2002.
- *Standard Operating Procedure, Groundwater Gauging and Sampling*, prepared by Tait Environmental Management, dated September 9, 2002.

Monitored natural attenuation sampling was conducted according to:

- *Standard Operating Procedures for Measuring Natural attenuation Parameters at Boeing Realty Corporation Former C-6 Facility, Revision 1.0*, prepared by Haley & Aldrich, Inc. and England Geosystem Inc., dated January 9, 2001.

The activities performed during the Semi-Annual Groundwater Monitoring and Sampling event are as follows.

- **Groundwater Elevation Measurement**
  - Water levels were measured in 29 Site groundwater wells on September 13, 2002 (Table 2).
  - A groundwater elevation contour map was generated based on these measurements.
- **Well Purging, Sampling and Analysis**
  - At least 3 wetted casing volumes of water were purged with a submersible pump from each well.
  - Purge water was monitored for stability of pH, temperature, and specific conductivity.

- Groundwater samples were collected from 15 wells with a submersible pump and analyzed for VOCs by EPA Method 8260B.
  - QA/QC samples were also collected and analyzed for VOCs by EPA Method 8260B.
- **Monitored Natural Attenuation (MNA) Parameters**
    - MNA parameters (DO, ORP, and pH) were measured in the field.

### **3.02 Field Procedures**

Field procedures for this sampling event are outlined in the documents listed previously in Section 3.01.

### **3.03 Sample Naming**

Groundwater samples were labeled in the following format in accordance with the Boeing Data Management Plan (DMP) prepared by CH2MHill and dated January 2002 (CH2Mhill, 2002):

For example: TMW\_11\_WG091702\_0001

Where:

TMW\_11 indicates the groundwater monitoring well name  
WG = Groundwater sample  
091702 = date the sample was collected (mmddyy)  
0001 = the number of samples taken from the well

### **3.04 Proposed Work Variances**

Groundwater monitoring well TMW-13 was scheduled for sampling during the Semi-Annual Monitoring Event; however, during sampling pump installation, the pump became lodged in the casing above the water table and could not be recovered during repeated attempts by a drilling contractor. TMW-13 is scheduled for abandonment due to Site redevelopment in November 2002.

## **IV. MONITORING AND SAMPLING RESULTS**

### **4.01 Groundwater Elevations**

Field sheets for the data collected by TEM are included in Appendix A. A summary of the groundwater elevations for the 2002 Semi-Annual event is presented in Table 2.

During the 2002 Semi-Annual event, groundwater elevations at the Site ranged from -12.71 to 15.14 feet MSL, or approximately 65 feet bgs. The groundwater elevation measurements are included in Table 2. Due to Site redevelopment activities, the wells were re-surveyed by a registered land surveyor prior to this sampling event; therefore, top of casing elevations have changed from previous values (increased up to 2.6 feet). Overall, groundwater elevations have decreased up to approximately 1.1 feet compared to the values measured in March 2002, except wells TMW-4 and TMW-8 which increased approximately 1.7 and 2.6 feet, respectively. A comparison of groundwater elevation data over the past two years in TMW-4 and TMW-8 suggests that the groundwater elevation measurements from the March 2002 sampling event in wells TMW-4 and TMW-8 were incorrect. These errors were likely due to casing modifications as a result of Site redevelopment activities. Therefore, the groundwater elevations in TMW-4 and TMW-8 may not have actually increased since March 2002. Historic groundwater levels are presented in Table 3.

Figure 4 is a groundwater elevation contour map of the MBFB (B-Sand) water-bearing zone generated using data collected during the 2002 Semi-Annual event. The average horizontal hydraulic gradient in the MBFB was calculated to range from approximately 0.0010 to 0.0014 ft/ft to the south in September 2002, as compared to approximately 0.0015 ft/ft to the south calculated for March 2002 (excluding wells TMW-4 and TMW-8). Based on the groundwater elevation contours shown on Figure 4, the hydraulic gradient varies across the Site along the various flow vectors. The groundwater in the MBFB appears to generally flow to the south.

### **4.02 Groundwater Quality**

#### **VOC Results**

Results of VOC analysis by EPA Method 8260B for the 2002 Semi-Annual event, conducted in September 2002, are summarized in Table 4 and on Figures 5 and 6. Based on visual observations during well sampling, TEM recorded no indications of dense non-aqueous phase liquid (DNAPL) in any of the sampled wells. Based on a review of previous monitoring reports, general plume geometries for trichloroethene (TCE) and 1,1-dichloroethene (1,1-DCE) appear to be generally unchanged since 1999 (Haley & Aldrich, Inc. and England Geosystem Inc., 2001b and 2001c and Haley & Aldrich, Inc., June 2002).

Figure 5 shows the dissolved-phase TCE concentrations in the MBFB. TCE concentrations in groundwater samples are similar (increased less than 20%) compared to the March 2002 sampling event in the 15 wells sampled, with the exception of well TMW-5. TCE concentrations increased in well TMW-5 from 3,900 (March 2002) to 8,800 µg/l. Prior TCE concentrations in TMW-5 range from below laboratory detection limits to 5,000 µg/l. TMW-5 will be destroyed in November 2002 due to Site redevelopment activities. However, this

general area of the Site will continue to be monitored according to the Site-Wide Long-Range Groundwater Monitoring Plan that will be submitted to the LARWQCB in early 2003.

Noteworthy decreases (greater than 20% variation from the previous sampling event) in TCE concentrations were observed in the samples collected from TMW-2 (from 11,000 to 8,400 µg/l) and TMW-6 (from 160 to 53 µg/l). TCE concentrations in the sample from TMW-2 (located near the former Building 1/36 postulated VOC source area) have declined (approximately 24%) since the previous monitoring event.

Figure 6 shows the dissolved-phase 1,1-DCE concentrations in the MBFB. 1,1-DCE concentrations in groundwater samples have generally decreased or stayed the same in the monitored wells, with the following exceptions: TMW-1 (from 24 to 170 µg/l), TMW-2 (from 20,000 to 27,000 µg/l), TMW-5 (from 250 to 640 µg/l) and TMW-7 (from 200 to 390 µg/l). It is important to note that 1,1-DCE has not been detected at DAC-P1, TMW-10, TMW-11, TMW-14 and TMW-16.

Eight wells were reported to have detectable concentrations of tetrachloroethene (PCE) up to 13 µg/l. Five of the eight samples with detected PCE concentrations are less than 5 µg/l. Two of the eight detected PCE concentrations were at low levels that could not be quantified by the laboratory (<1 µg/l), and are noted in Table 4 with a "J" flag. The one additional sample reported to contain a detectable concentration of PCE was TMW-12 (13 µg/l).

Concentrations of 1,1,1-trichloroethane (1,1,1-TCA) were not detected in 13 of the 15 wells sampled, and were not detected in the previous sampling event. The concentration of 1,1,1-TCA in the groundwater sample from well TMW-2 increased from 650 to 1,400 µg/l. Well TMW-3 was reported to have a low concentration of 1,1,1-TCA that could not be quantified by the laboratory (8.5J µg/l.).

As in previous sampling events, some minor occurrences of VOCs other then those described above, were detected and are tabulated on Table 4. These occurrences included:

- Cis-1,2-DCE concentrations in groundwater have generally increased. Along with this increase, TCE concentrations have generally decreased, which is indicative that biotransformation of TCE is occurring at the Site. The well that best shows this relationship is TMW-2. TMW-2 was reported to have an increase in cis-1,2-DCE concentrations (increased from 7,800 to 14,000 µg/l) and a decrease in TCE concentrations (11,000 to 8,400 µg/l) in the March 2002 sampling event. Well TMW-14 was also reported to have increasing concentrations of cis-1,2-DCE and decreasing concentrations of TCE, as shown in Table 5.
- Chloroform concentrations in groundwater samples have generally remained the same (less than 20% variances) in the 15 wells sampled, except in three wells (TMW-2, TMW-6, and TMW-12). Chloroform increased in well TMW-2 from 110J to 240 µg/l; in well TMW-6 from 130 to 180 µg/l; and in well TMW-12 from 1,200 to 1,600 µg/l. These values are within historical range of fluctuation for each well as shown on Table 5.

- Benzene concentrations in groundwater samples have generally remained the same except in well TMW-2. Well TMW-2 was reported to have a benzene concentration that could not be quantified by the laboratory (66J µg/l). Benzene was not detected in well TMW-2 in the previous sampling event (<250 µg/l).
- Methyl ethyl ketone (2-butanone) was only detected in well TMW-2 at a concentration of 140,000 µg/l. This is an increase from the previous sampling event in March 2002 (below laboratory detection limits [<1,200 µg/l]). MEK was previously detected in well TMW-2 in July 2001, at a concentration of 75,000 µg/l.
- Toluene concentrations in groundwater samples have generally remained the same except in well TMW-2 (increased from 1,700 µg/l to 5,200 µg/l). Low concentrations of toluene (<5 µg/l) were detected in two wells (TMW-10 and TMW-15), and one well (TMW-14) was reported to have a toluene concentration that could not be quantified by the laboratory (9.8J µg/l). Well DAC-P1 was reported to have a toluene concentration of 18,000 µg/l, which is similar to the toluene concentrations in this well over time as shown in Table 5.

#### Field MNA Parameters

Field monitoring of DO, ORP, and pH was conducted during the September 2002 monitoring and sampling event. A summary of the September 2002 MNA parameters is included in Table 6 and on the Field Data Sheets in Appendix A. These parameters are similar to the March 2002 annual sampling event data, and suggest that in-situ conditions have not changed. The distribution of DO and ORP suggests evidence of intrinsic biotransformation of VOCs in the potential source area near former Buildings 1, 2 and 36, as well as along the southern property boundary. It appears that DO has been depleted within the areas of TCE and 1,1-DCE-impacted groundwater. ORP is negative within the Building 1/36 area (TMW-2), indicating anaerobic reducing conditions.

## **V. QUALITY ASSURANCE/QUALITY CONTROL**

### **5.01 Field Quality Control Samples**

#### **A. Field Duplicates**

One duplicate groundwater sample was analyzed for VOC concentrations from well TMW-1. These results are included in Table 4. Duplicate laboratory data can be used to measure how well replicate measurements reproduce and estimate overall method precision. Relative percent difference (RPD) is a measure of precision and is calculated as follows:

$$\text{(Result 1} - \text{Result 2}) / \frac{1}{2} (\text{Result 1} + \text{Result 2}) * 100\%$$

The RPD will often vary with the concentration of analyte; RPD lessening as the concentration increases. If the variation is greater than plus or minus 15% but less than 100%, the reported concentrations are up to standard. If the variation is greater than 100%, the data is subject to further evaluation (i.e., comparison with historic data from the well). The data from TMW-1 and the TMW-1 duplicate were reported to have RPDs less than or equal to 31%, which indicates that the reported concentrations are up to standard.

#### **B. Equipment Rinsate Blanks**

One equipment rinsate blank was collected each day after cleaning the sampling equipment with deionized water. These rinsate samples were analyzed for VOCs by EPA Method 8260B. Estimated concentrations of bromodichloromethane and chloroform (0.72J and 0.54J µg/l) were detected in the equipment rinsate blank below the contracting laboratory reporting limit (1 µg/l) collected on March 16, 2002 as shown on Table 4.

#### **C. Field Blanks**

One field blank was collected each day with laboratory-supplied water to check for contamination by sampling methodology. These field blank samples were analyzed for VOCs by EPA Method 8260B. VOCs were not detected in any of the field blank samples.

#### **D. Trip Blanks**

One laboratory-prepared trip blank was shipped to the laboratory each day to check for cross-contamination. The samples were analyzed for VOCs by EPA Method 8260B. Estimated concentrations of acetone (6.0J and 8.5J µg/l) were detected below the contracting laboratory reporting limit (10 µg/l) in two of the trip blanks, as shown in Table 4.

#### **E. Data Validation and Laboratory QA/QC Samples**

Final laboratory-certified reports and laboratory quality control procedures are included on the compact disc (CD) as Appendix B.

Tier II data validation was performed on 10% of the samples and Tier III data validation was performed on 5% of the samples. Based on the data validation results, the data collected during this event is adequate for continued characterization and monitoring of VOCs in groundwater beneath the Site. Data validation results are provided in Appendix C. Appropriate data qualifiers, as determined by Laboratory Data Consultants, Inc. (LDC) (data validation subcontractor), have been included where appropriate.

#### **VI. CONCLUSIONS**

Groundwater levels, on average, have decreased beneath the BRC Former C-6 Facility since the last sampling event up to approximately 1.1 feet. The average hydraulic gradient beneath the Site remains low, and apparent groundwater flow direction appears similar to those of previous monitoring events.

In general, concentrations of dissolved chlorinated VOCs have remained approximately the same since the previous monitoring event, with the primary exceptions of wells TMW-2 and TMW-5. The data from TMW-2 will be reviewed again in March 2003 to evaluate for the presence of developing trends. TMW-5 will be destroyed in November 2002; however, this general area of the Site will continue to be monitored in the future using new wells according to the Site-Wide Long-Range Groundwater Monitoring Plan. The plume geometry remains relatively constant based on the existing well network.

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## **TABLES**

**Table 1**  
**Well Information**  
**Boeing Realty Corporation Former C-6 Facility**

Name	Easting <sup>1</sup>	Northing <sup>1</sup>	Top of Casing Elevation (AMSL) <sup>2</sup>	Boring Total Depth (feet)	Screen Depth Interval (feet)	Depth to Top of Filter Pack (feet)	Casing Diameter (inches)	Casing Type	Slot Size	Drilled Date
WCC-1S*	12738.89	13194.04	50.74	91	77-87	75	2	Sched 40 PVC	0.020-Inch	3/25/1987
WCC-1D*	12739.11	13181.09	50.69	140	120-140	114	4	Sched 40 PVC	0.010-Inch	6/30/1989
WCC-2S*	12234.27	13451.60	50.83	91	70-90	63	4	Sched 40 PVC	0.010-Inch	10/28/1987
WCC-3S	12608.52	13238.90	51.12	92	69-89	64	4	Sched 40 PVC	0.010-Inch	10/26/1987
WCC-3D*	12583.61	13265.87	51.11	140	120-140	115	4	Sched 40 PVC	0.010-Inch	6/27/1989
WCC-4S	12741.35	13075.30	49.62	92	70.5-90.5	65	4	Sched 40 PVC	0.010-Inch	10/27/1987
WCC-5S	12963.90	12998.70	48.79	91	61-91	64	4	Sched 40 PVC	0.010-Inch	11/24/1987
WCC-6S	12580.24	12953.10	51.30	91	60-90	54	4	Sched 40 PVC	0.010-Inch	9/22/1989
WCC-7S	12730.37	12868.65	50.20	91	60-90	54	4	Sched 40 PVC	0.010-Inch	6/8/1989
WCC-8S*	12737.33	13318.92	50.87	90	59.5-89.5	54	4	Sched 40 PVC	0.010-Inch	6/12/1989
WCC-9S	12928.87	12627.94	46.85	92	60-90	55	4	Sched 40 PVC	0.010-Inch	9/21/1989
WCC-10S*	11338.90	14038.98	58.17	91	60-90	54	4	Sched 40 PVC	0.010-Inch	6/7/1989
WCC-11S	12744.01	13870.68	51.34	91	60-90	56	4	Sched 40 PVC	0.010-Inch	9/13/1990
WCC-12S	12749.26	12715.21	46.92	92	60-90	55	4	Sched 40 PVC	0.010-Inch	9/17/1990
DAC-P1	11194.86	12988.63	52.75	90	60-90	55	4	Sched 40 PVC	0.010-Inch	9/25/1989
TMW-1	12212.00	13143.49	56.46	91	66-86	64	2	Sched 40 PVC	0.010-Inch	6/28/1998
TMW-2	12478.09	13161.38	56.38	92	67-87	62	2	Sched 40 PVC	0.010-Inch	6/28/1998
TMW-3	11909.54	12315.47	51.36	87	62.5-82.5	60	2	Sched 40 PVC	0.010-Inch	7/21/1998
TMW-4	12498.69	12334.70	52.18	84	58-78	56	2	Sched 40 PVC	0.010-Inch	6/30/1998
TMW-5	12038.44	11931.45	53.32	89	64-84	63	2	Sched 40 PVC	0.010-Inch	7/2/1998
TMW-6	12552.93	11936.32	56.30	93	67-87	66	2	Sched 40 PVC	0.010-Inch	7/1/1998
TMW-7	12560.70	12701.25	52.52	91	65-85	63	2	Sched 40 PVC	0.010-Inch	6/29/1998
TMW-8	12571.93	12812.42	53.99	90	61-81	59	2	Sched 40 PVC	0.010-Inch	6/29/1998
TMW-9	12344.53	12740.05	52.75	85	60-80	58	2	Sched 40 PVC	0.010-Inch	6/30/1998
TMW-10	12968.14	12170.61	47.48	85	60.5-80.5	58	2	Sched 40 PVC	0.010-Inch	1/28/1999
TMW-11	12968.08	11423.04	47.41	83	58-78	55	2	Sched 40 PVC	0.010-Inch	2/1/1999
TMW-12	12529.43	11402.90	51.67	89	63-83	60	2	Sched 40 PVC	0.010-Inch	1/27/1999
TMW-13	11973.10	11416.11	50.89	85	60-80	58	2	Sched 40 PVC	0.010-Inch	2/2/1999
TMW-14	11797.06	11416.11	58.16	90	65-85	63	2	Sched 40 PVC	0.010-Inch	2/3/1999
TMW-15	11800.22	12165.10	55.23	92	62-87	60	2	Sched 40 PVC	0.010-Inch	2/4/1999
TMW-16	11887.57	12904.74	55.73	88	61.5-81.5	60	2	Sched 40 PVC	0.010-Inch	1/29/1999
TMW-17*	11533.67	12604.45	-	87	62-82	59	2	Sched 40 PVC	0.010-Inch	5/10/1999

**Table 1**  
**Well Information**  
**Boeing Realty Corporation Former C-6 Facility**

Name	Easting <sup>1</sup>	Northing <sup>1</sup>	Top of Casing Elevation (AMSL) <sup>2</sup>	Boring Total Depth (feet)	Screen Depth Interval (feet)	Depth to Top of Filter Pack (feet)	Casing Diameter (inches)	Casing Type	Slot Size	Drilled Date
BL-1*	11218.52	13450.56	58.34	82	61.5-81.5	57	2	Sched 40 PVC	0.010-Inch	2/2/1999
BL-2*	11202.12	12546.32	58.15	82	61.5-81.5	57	2	Sched 40 PVC	0.010-Inch	2/3/1999
BL-3	11207.79	11961.46	56.48	79	59-79	56	2	Sched 40 PVC	0.010-Inch	2/8/1999
BL-4*	11333.09	11087.39	-	79	58-78	55	2	Sched 40 PVC	0.010-Inch	2/16/1999
BL-5*	11397.77	13550.72	-	79	58-78	55	2	Sched 40 PVC	0.010-Inch	2/4/1999
BL-6*	11547.74	13063.70	-	79	58-78	55	2	Sched 40 PVC	0.010-Inch	2/4/1999
BL-7*	11569.25	12295.45	-	79	58-78	54	2	Sched 40 PVC	0.010-Inch	2/8/1999
BL-8*	11546.23	11321.84	-	81	60-80	57	2	Sched 40 PVC	0.010-Inch	2/16/1999
Montrose Wells										
XMW-09	12,654	11148.11	53.67	-	66-81	-	4	-	-	5/9/1989
XMW-18	12,287	11426.42	50.34	-	68-83	-	4	-	-	3/29/1990
XMW-19	12,968	11757.92	46.53	-	63-79	-	4	-	-	3/30/1990

1 Local coordinate system (feet)

2 AML = Above Mean Sea Level - Wells were surveyed March 19, 2002 & September 13, 2002 by Tait & Associates.

\* Indicates abandoned well.

QA/QC: BB  
Date 11/01/02

**Table 2**  
**Groundwater Elevations - September 2002**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Measured	Reference Elevation (feet AMSL) <sup>1</sup>	Total Depth (feet)	Depth to Water (feet)	Ground Water Elevation (feet AMSL)
WCC-3S	9/13/2002	51.12	91.20	64.54	-13.42
WCC-4S	9/13/2002	49.62	89.90	63.15	-13.53
WCC-5S	9/13/2002	48.79	90.22	62.25	-13.46
WCC-6S	9/13/2002	51.30	88.81	64.89	-13.59
WCC-7S	9/13/2002	50.20	90.56	63.82	-13.62
WCC-9S	9/13/2002	46.85	89.57	60.90	-14.05
WCC-11S	9/13/2002	51.34	91.34	64.20	-12.86
WCC-12S	9/13/2002	46.92	90.59	60.70	-13.78
DAC-P1	9/13/2002	52.75	90.62	65.64	-12.89
TMW-1	9/13/2002	56.46	80.16	69.97	-13.51
TMW-2	9/13/2002	56.38	80.03	69.89	-13.51
TMW-3	9/13/2002	51.36	82.03	65.25	-13.89
TMW-4	9/13/2002	52.18	78.53	66.44	-14.26
TMW-5	9/13/2002	53.32	80.18	67.41	-14.09
TMW-6	9/13/2002	56.30	79.95	70.83	-14.53
TMW-7	9/13/2002	52.52	82.32	66.36	-13.84
TMW-8	9/13/2002	53.99	79.90	67.81	-13.82
TMW-9	9/13/2002	52.75	---	66.58	-13.83
TMW-10	9/13/2002	47.48	78.22	61.60	-14.12
TMW-11	9/13/2002	47.41	78.39	62.02	-14.61
TMW-12	9/13/2002	51.67	78.13	66.40	-14.73
TMW-13	9/13/2002	50.89	78.90	65.49	-14.60
TMW-14	9/13/2002	58.16	88.32	72.72	-14.56
TMW-15	9/13/2002	55.23	87.82	69.03	-13.80
TMW-16	9/13/2002	55.73	76.68	68.44	-12.71
BL-3	9/13/2002	56.48	82.00	70.42	-13.94
XMW-09	9/13/2002	53.67	---	68.42	-14.75
XMW-18	9/13/2002	50.34	---	65.48	-15.14
XMW-19	9/13/2002	46.53	---	60.95	-14.42

Notes:

Depth to Water measurements taken from top of monitoring well casing

1 AMSL = Above Mean Sea Level - Wells were surveyed March 19, 2002 & September 13, 2002 by Tait & Associates.

QA/QC: BB  
Date 11/01/02

**Table 3**  
**Historic Groundwater Elevations**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
BL-1	3/6/1999	58.34	70.75	-12.41
BL-1	7/12/1999	58.34	70.72	-12.38
BL-1	1/14/2000	58.34	71.04	-12.70
BL-1	6/20/2000	58.34	71.20	-12.86
BL-1	1/15/2001	58.34	71.41	-13.07
BL-1	7/16/2001	58.34	71.03	-12.69
BL-2	3/6/1999	58.15	71.47	-13.32
BL-2	7/12/1999	58.15	71.32	-13.17
BL-2	1/14/2000	58.15	71.55	-13.40
BL-2	6/20/2000	58.15	71.66	-13.51
BL-2	1/15/2001	58.15	71.91	-13.76
BL-3	3/6/1999	59.33	73.22	-13.89
BL-3	7/12/1999	59.33	73.16	-13.83
BL-3	1/14/2000	59.33	73.41	-14.08
BL-3	6/20/2000	59.33	73.58	-14.25
BL-3	1/15/2001	59.33	73.70	-14.37
BL-3	3/21/2002	56.48	70.25	-13.77
BL-3	9/13/2002	56.48	70.42	-13.94
BL-4	3/6/1999	NA	NA	-14.51
BL-4	7/12/1999	NA	NA	-14.43
BL-4	1/14/2000	NA	NA	-15.11
BL-5	3/6/1999	NA	NA	-12.52
BL-5	7/12/1999	NA	NA	-12.53
BL-5	1/14/2000	NA	NA	-12.87
BL-6	3/6/1999	NA	NA	-12.92
BL-6	7/12/1999	NA	NA	-12.83
BL-6	1/14/2000	NA	NA	-13.15
BL-7	3/6/1999	NA	NA	-13.57
BL-7	7/12/1999	NA	NA	-13.44
BL-7	1/14/2000	NA	NA	-14.41
BL-8	3/6/1999	NA	NA	-14.27
BL-8	7/12/1999	NA	NA	-14.29
BL-8	1/14/2000	NA	NA	-14.55
DAC-P1	6/15/1992	52.75	70.51	-17.76
DAC-P1	9/21/1992	52.75	70.63	-17.88
DAC-P1	1/5/1993	52.75	70.77	-18.02
DAC-P1	4/9/1993	52.75	70.21	-17.46
DAC-P1	6/7/1993	52.75	70.13	-17.38
DAC-P1	8/24/1993	52.75	69.78	-17.03
DAC-P1	11/18/1993	52.75	69.51	-16.76
DAC-P1	2/23/1994	52.75	69.49	-16.74
DAC-P1	6/10/1994	52.75	69.35	-16.60
DAC-P1	9/8/1994	52.75	69.23	-16.48
DAC-P1	12/21/1994	52.75	69.00	-16.25
DAC-P1	3/13/1995	52.75	69.16	-16.41
DAC-P1	6/12/1995	52.75	68.69	-15.94

**Table 3**  
**Historic Groundwater Elevations**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
DAC-P1	9/20/1995	52.75	68.41	-15.66
DAC-P1	12/12/1995	52.75	68.41	-15.66
DAC-P1	2/29/1996	52.75	68.15	-15.40
DAC-P1	6/6/1996	52.75	67.77	-15.02
DAC-P1	9/18/1996	52.75	67.63	-14.88
DAC-P1	12/18/1996	52.75	67.42	-14.67
DAC-P1	5/6/1997	52.75	66.95	-14.20
DAC-P1	7/1/1997	52.75	66.78	-14.03
DAC-P1	7/22/1997	52.75	66.76	-14.01
DAC-P1	8/4/1997	52.75	66.73	-13.98
DAC-P1	8/19/1997	52.75	66.66	-13.91
DAC-P1	9/3/1997	52.75	66.68	-13.93
DAC-P1	9/16/1997	52.75	66.66	-13.91
DAC-P1	7/14/1998	52.75	66.03	-13.28
DAC-P1	3/6/1999	52.75	65.62	-12.87
DAC-P1	7/12/1999	52.75	65.47	-12.72
DAC-P1	6/20/2000	52.75	65.76	-13.01
DAC-P1	3/21/2002	52.75	65.52	-12.77
DAC-P1	9/13/2002	52.75	65.64	-12.89
TMW-1	7/14/1998	51.24	64.65	-13.41
TMW-1	9/22/1998	51.24	64.80	-13.56
TMW-1	10/16/1998	51.24	64.61	-13.37
TMW-1	3/6/1999	51.24	64.76	-13.52
TMW-1	7/12/1999	51.24	64.48	-13.24
TMW-1	6/20/2000	51.24	64.89	-13.65
TMW-1	1/15/2001	51.24	65.00	-13.76
TMW-1	7/16/2001	51.24	64.55	-13.31
TMW-1	3/21/2002	56.51	69.57	-13.06
TMW-1	9/13/2002	56.46	69.97	-13.51
TMW-2	7/14/1998	51.18	64.60	-13.42
TMW-2	9/22/1998	51.18	64.67	-13.49
TMW-2	10/16/1998	51.18	64.58	-13.40
TMW-2	3/6/1999	51.18	64.59	-13.41
TMW-2	7/12/1999	51.18	64.48	-13.30
TMW-2	6/20/2000	51.18	64.64	-13.46
TMW-2	1/15/2001	51.18	64.93	-13.75
TMW-2	7/16/2001	51.18	64.52	-13.34
TMW-2	3/21/2002	56.42	69.55	-13.13
TMW-2	9/13/2002	56.38	69.89	-13.51
TMW-3	7/14/1998	51.07	65.24	-14.17
TMW-3	9/22/1998	51.07	65.25	-14.18
TMW-3	10/16/1998	51.07	65.13	-14.06
TMW-3	3/6/1999	51.07	65.21	-14.14
TMW-3	7/12/1999	51.07	64.98	-13.91
TMW-3	6/20/2000	51.07	65.19	-14.12
TMW-3	1/15/2001	51.07	65.41	-14.34

**Table 3**  
**Historic Groundwater Elevations**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
TMW-3	7/16/2001	51.07	64.93	-13.86
TMW-3	3/21/2002	51.36	65.06	-13.70
TMW-3	9/13/2002	51.36	65.25	-13.89
TMW-4	7/14/1998	50.35	64.75	-14.40
TMW-4	9/22/1998	50.35	64.78	-14.43
TMW-4	10/16/1998	50.35	64.61	-14.26
TMW-4	3/6/1999	50.35	64.63	-14.28
TMW-4	7/12/1999	50.35	64.38	-14.03
TMW-4	6/20/2000	50.35	64.61	-14.26
TMW-4	1/15/2001	50.35	64.87	-14.52
TMW-4	7/16/2001	50.35	64.45	-14.10
TMW-4	3/21/2002	52.27	68.18	-15.91
TMW-4	9/13/2002	52.18	66.44	-14.26
TMW-5	7/14/1998	50.12	64.74	-14.62
TMW-5	9/22/1998	50.12	64.79	-14.67
TMW-5	10/16/1998	50.12	64.60	-14.48
TMW-5	3/6/1999	50.12	64.71	-14.59
TMW-5	7/12/1999	50.12	64.45	-14.33
TMW-5	6/20/2000	50.12	64.67	-14.55
TMW-5	1/15/2001	50.12	64.90	-14.78
TMW-5	7/16/2001	50.12	64.50	-14.38
TMW-5	3/21/2002	53.40	67.52	-14.12
TMW-5	9/13/2002	53.32	67.41	-14.09
TMW-6	7/14/1998	50.13	64.84	-14.71
TMW-6	9/22/1998	50.13	64.86	-14.73
TMW-6	10/16/1998	50.13	64.69	-14.56
TMW-6	3/6/1999	50.13	64.68	-14.55
TMW-6	7/12/1999	50.13	64.55	-14.42
TMW-6	6/20/2000	50.13	64.59	-14.46
TMW-6	1/15/2001	50.13	64.93	-14.80
TMW-6	7/16/2001	50.13	64.57	-14.44
TMW-6	3/21/2002	56.35	70.61	-14.26
TMW-6	9/13/2002	56.30	70.83	-14.53
TMW-7	7/14/1998	51.12	65.10	-13.98
TMW-7	9/22/1998	51.12	65.15	-14.03
TMW-7	10/16/1998	51.12	65.03	-13.91
TMW-7	3/6/1999	51.12	65.06	-13.94
TMW-7	7/12/1999	51.12	64.90	-13.78
TMW-7	6/20/2000	51.12	65.15	-14.03
TMW-7	1/15/2001	51.12	65.29	-14.17
TMW-7	7/16/2001	51.12	64.87	-13.75
TMW-7	3/21/2002	52.52	66.07	-13.55
TMW-7	9/13/2002	52.52	66.36	-13.84
TMW-8	7/14/1998	51.06	64.91	-13.85
TMW-8	9/22/1998	51.06	64.94	-13.88
TMW-8	10/16/1998	51.06	64.85	-13.79

**Table 3**  
**Historic Groundwater Elevations**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
TMW-8	3/6/1999	51.06	64.90	-13.84
TMW-8	7/12/1999	51.06	64.71	-13.65
TMW-8	6/20/2000	51.06	64.98	-13.92
TMW-8	1/15/2001	51.06	65.12	-14.06
TMW-8	7/16/2001	51.06	64.70	-13.64
TMW-8	3/21/2002	51.06	67.49	-16.43
TMW-8	9/13/2002	53.99	67.81	-13.82
TMW-9	7/14/1998	51.21	65.29	-14.08
TMW-9	9/22/1998	51.21	65.26	-14.05
TMW-9	10/16/1998	51.21	65.14	-13.93
TMW-9	3/6/1999	51.21	65.08	-13.87
TMW-9	7/12/1999	51.21	64.91	-13.70
TMW-9	6/20/2000	51.21	65.22	-14.01
TMW-9	1/15/2001	51.21	65.41	-14.20
TMW-9	3/21/2002	52.75	66.32	-13.57
TMW-9	9/13/2002	52.75	66.58	-13.83
TMW-10	3/6/1999	47.52	61.77	-14.25
TMW-10	7/12/1999	47.52	60.61	-13.09
TMW-10	6/20/2000	47.52	61.57	-14.05
TMW-10	1/15/2001	47.52	61.96	-14.44
TMW-10	7/16/2001	47.52	61.54	-14.02
TMW-10	9/13/2002	47.48	61.60	-14.12
TMW-11	3/6/1999	47.47	62.28	-14.81
TMW-11	7/12/1999	47.47	61.97	-14.50
TMW-11	6/20/2000	47.47	62.10	-14.63
TMW-11	1/15/2001	47.47	62.43	-14.96
TMW-11	7/16/2001	47.47	62.06	-14.59
TMW-11	3/21/2002	47.41	60.89	-13.48
TMW-11	9/13/2002	47.41	62.02	-14.61
TMW-12	3/6/1999	50.85	65.73	-14.88
TMW-12	7/12/1999	50.85	65.54	-14.69
TMW-12	6/20/2000	50.85	65.82	-14.97
TMW-12	1/15/2001	50.85	66.02	-15.17
TMW-12	7/16/2001	50.85	64.47	-13.62
TMW-12	3/21/2002	51.67	66.25	-14.58
TMW-12	9/13/2002	51.67	66.40	-14.73
TMW-13	3/6/1999	50.91	65.68	-14.77
TMW-13	7/12/1999	50.91	65.51	-14.60
TMW-13	6/20/2000	50.91	65.82	-14.91
TMW-13	7/16/2001	50.91	65.57	-14.66
TMW-13	3/21/2002	50.89	65.49	-14.60
TMW-13	9/13/2002	50.89	65.49	-14.60
TMW-14	3/6/1999	58.21	72.91	-14.70
TMW-14	7/12/1999	58.21	72.67	-14.46
TMW-14	6/20/2000	58.21	72.96	-14.75
TMW-14	1/15/2001	58.21	73.21	-15.00

**Table 3**  
**Historic Groundwater Elevations**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
TMW-14	7/16/2001	58.21	72.85	-14.64
TMW-14	3/21/2002	58.16	72.69	-14.53
TMW-14	9/13/2002	58.16	72.72	-14.56
TMW-15	3/6/1999	55.26	69.30	-14.04
TMW-15	7/12/1999	55.26	68.90	-13.64
TMW-15	6/20/2000	55.26	69.30	-14.04
TMW-15	1/15/2001	55.26	69.52	-14.26
TMW-15	7/16/2001	55.26	69.18	-13.92
TMW-15	3/21/2002	55.23	68.88	-13.65
TMW-15	9/13/2002	55.23	69.03	-13.80
TMW-16	3/6/1999	50.91	63.80	-12.89
TMW-16	7/12/1999	50.91	63.54	-12.63
TMW-16	6/20/2000	50.91	63.77	-12.86
TMW-16	1/15/2001	50.91	64.05	-13.14
TMW-16	7/16/2001	50.91	67.27	-16.36
TMW-16	3/21/2002	55.73	68.06	-12.33
TMW-16	9/13/2002	55.73	68.44	-12.71
TMW-17	7/12/1999	NA	NA	-13.16
TMW-17	1/14/2000	NA	NA	-13.41
WCC-1D	10/18/1989	50.69	70.20	-19.51
WCC-1D	6/15/1992	50.69	70.24	-19.55
WCC-1D	9/21/1992	50.69	70.61	-19.92
WCC-1D	1/5/1993	50.69	70.30	-19.61
WCC-1D	4/9/1993	50.69	69.79	-19.10
WCC-1D	6/7/1993	50.69	69.69	-19.00
WCC-1D	8/24/1993	50.69	69.22	-18.53
WCC-1D	11/18/1993	50.69	69.03	-18.34
WCC-1D	2/23/1994	50.69	68.52	-17.83
WCC-1D	6/10/1994	50.69	68.16	-17.47
WCC-1D	9/8/1994	50.69	68.35	-17.66
WCC-1D	12/21/1994	50.69	68.24	-17.55
WCC-1D	3/13/1995	50.69	68.05	-17.36
WCC-1D	6/12/1995	50.69	67.48	-16.79
WCC-1D	9/20/1995	50.69	67.29	-16.60
WCC-1D	12/12/1995	50.69	67.00	-16.31
WCC-1D	2/29/1996	50.69	66.84	-16.15
WCC-1D	6/6/1996	50.69	66.42	-15.73
WCC-1D	9/18/1996	50.69	66.34	-15.65
WCC-1D	12/18/1996	50.69	66.03	-15.34
WCC-1D	5/6/1997	50.69	65.56	-14.87
WCC-1D	7/1/1997	50.69	65.51	-14.82
WCC-1D	7/22/1997	50.69	65.60	-14.91
WCC-1D	8/4/1997	50.69	65.54	-14.85
WCC-1D	8/19/1997	50.69	65.49	-14.80
WCC-1D	9/3/1997	50.69	65.53	-14.84
WCC-1D	9/16/1997	50.69	65.48	-14.79

**Table 3**  
**Historic Groundwater Elevations**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
WCC-1S	11/13/1987	50.74	72.37	-21.63
WCC-1S	10/18/1989	50.74	70.22	-19.48
WCC-1S	6/15/1992	50.74	69.94	-19.20
WCC-1S	9/21/1992	50.74	70.16	-19.42
WCC-1S	1/5/1993	50.74	70.08	-19.34
WCC-1S	4/9/1993	50.74	69.53	-18.79
WCC-1S	6/7/1993	50.74	69.49	-18.75
WCC-1S	8/24/1993	50.74	68.99	-18.25
WCC-1S	11/18/1993	50.74	68.74	-18.00
WCC-1S	2/23/1994	50.74	68.35	-17.61
WCC-1S	6/10/1994	50.74	67.97	-17.23
WCC-1S	9/8/1994	50.74	67.99	-17.25
WCC-1S	12/21/1994	50.74	67.86	-17.12
WCC-1S	3/13/1995	50.74	67.86	-17.12
WCC-1S	6/12/1995	50.74	67.27	-16.53
WCC-1S	9/20/1995	50.74	67.01	-16.27
WCC-1S	12/12/1995	50.74	66.79	-16.05
WCC-1S	2/29/1996	50.74	66.54	-15.80
WCC-1S	6/6/1996	50.74	66.21	-15.47
WCC-1S	9/18/1996	50.74	66.10	-15.36
WCC-1S	12/18/1996	50.74	65.77	-15.03
WCC-1S	5/6/1997	50.74	65.32	-14.58
WCC-1S	7/1/1997	50.74	65.25	-14.51
WCC-1S	7/22/1997	50.74	65.32	-14.58
WCC-1S	8/4/1997	50.74	65.27	-14.53
WCC-1S	8/19/1997	50.74	65.21	-14.47
WCC-1S	9/3/1997	50.74	65.27	-14.53
WCC-1S	9/16/1997	50.74	65.20	-14.46
WCC-2S	11/13/1987	50.83	70.55	-19.72
WCC-2S	10/18/1989	50.83	69.89	-19.06
WCC-2S	6/15/1992	50.83	69.98	-19.15
WCC-2S	9/21/1992	50.83	70.24	-19.41
WCC-2S	1/5/1993	50.83	70.34	-19.51
WCC-2S	4/9/1993	50.83	69.47	-18.64
WCC-2S	6/7/1993	50.83	69.46	-18.63
WCC-2S	8/24/1993	50.83	68.98	-18.15
WCC-2S	11/18/1993	50.83	68.70	-17.87
WCC-2S	2/23/1994	50.83	68.32	-17.49
WCC-2S	6/10/1994	50.83	67.90	-17.07
WCC-2S	9/8/1994	50.83	68.03	-17.20
WCC-2S	12/21/1994	50.83	68.00	-17.17
WCC-2S	3/13/1995	50.83	67.91	-17.08
WCC-2S	6/12/1995	50.83	67.20	-16.37
WCC-2S	9/20/1995	50.83	67.02	-16.19
WCC-2S	12/12/1995	50.83	66.69	-15.86
WCC-2S	2/29/1996	50.83	66.60	-15.77

**Table 3**  
**Historic Groundwater Elevations**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
WCC-2S	6/6/1996	50.83	66.09	-15.26
WCC-2S	9/18/1996	50.83	66.01	-15.18
WCC-2S	12/18/1996	50.83	65.65	-14.82
WCC-2S	5/6/1997	50.83	65.19	-14.36
WCC-3D	10/18/1989	51.42	70.80	-19.38
WCC-3D	6/15/1992	51.42	70.81	-19.39
WCC-3D	9/21/1992	51.42	71.13	-19.71
WCC-3D	1/5/1993	51.42	71.94	-20.52
WCC-3D	4/9/1993	51.42	70.29	-18.87
WCC-3D	6/7/1993	51.42	70.27	-18.85
WCC-3D	8/24/1993	51.42	69.82	-18.40
WCC-3D	11/18/1993	51.42	69.60	-18.18
WCC-3D	2/23/1994	51.42	69.42	-18.00
WCC-3D	6/10/1994	51.42	68.81	-17.39
WCC-3D	9/8/1994	51.42	68.89	-17.47
WCC-3D	12/21/1994	51.42	68.84	-17.42
WCC-3D	3/13/1995	51.42	68.69	-17.27
WCC-3D	6/12/1995	51.42	68.09	-16.67
WCC-3D	9/20/1995	51.42	67.89	-16.47
WCC-3D	12/12/1995	51.42	67.59	-16.17
WCC-3D	2/29/1996	51.42	67.37	-15.95
WCC-3D	6/6/1996	51.42	66.99	-15.57
WCC-3D	9/18/1996	51.42	66.92	-15.50
WCC-3D	12/18/1996	51.42	66.63	-15.21
WCC-3D	5/6/1997	51.42	66.14	-14.72
WCC-3D	7/1/1997	51.42	66.07	-14.65
WCC-3D	7/22/1997	51.42	66.15	-14.73
WCC-3D	8/4/1997	51.42	66.11	-14.69
WCC-3D	8/19/1997	51.42	66.03	-14.61
WCC-3D	9/3/1997	51.42	66.07	-14.65
WCC-3D	9/16/1997	51.42	66.05	-14.63
WCC-3D	9/22/1998	51.42	65.00	-13.58
WCC-3D	10/16/1998	51.42	64.95	-13.53
WCC-3D	3/6/1999	51.42	65.02	-13.60
WCC-3D	7/12/1999	51.42	64.91	-13.49
WCC-3D	6/20/2000	51.42	65.12	-13.70
WCC-3D	1/15/2001	51.16	65.01	-13.85
WCC-3D	7/16/2001	51.16	64.58	-13.42
WCC-3D	3/21/2002	51.11	64.19	-13.08
WCC-3S	11/13/1987	51.37	72.93	-21.56
WCC-3S	10/18/1989	51.37	70.79	-19.42
WCC-3S	6/15/1992	51.37	70.61	-19.24
WCC-3S	9/21/1992	51.37	70.89	-19.52
WCC-3S	1/5/1993	51.37	71.10	-19.73
WCC-3S	4/9/1993	51.37	70.20	-18.83
WCC-3S	6/7/1993	51.37	70.19	-18.82

**Table 3**  
**Historic Groundwater Elevations**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
WCC-3S	8/24/1993	51.37	69.73	-18.36
WCC-3S	11/18/1993	51.37	69.38	-18.01
WCC-3S	2/23/1994	51.37	69.04	-17.67
WCC-3S	6/10/1994	51.37	68.56	-17.19
WCC-3S	9/8/1994	51.37	68.68	-17.31
WCC-3S	12/21/1994	51.37	68.65	-17.28
WCC-3S	3/13/1995	51.37	68.59	-17.22
WCC-3S	6/12/1995	51.37	67.95	-16.58
WCC-3S	9/20/1995	51.37	67.74	-16.37
WCC-3S	12/12/1995	51.37	67.43	-16.06
WCC-3S	2/29/1996	51.37	67.30	-15.93
WCC-3S	6/6/1996	51.37	66.78	-15.41
WCC-3S	9/18/1996	51.37	66.78	-15.41
WCC-3S	12/18/1996	51.37	66.48	-15.11
WCC-3S	5/6/1997	51.37	66.00	-14.63
WCC-3S	7/1/1997	51.37	65.90	-14.53
WCC-3S	7/22/1997	51.37	66.01	-14.64
WCC-3S	8/4/1997	51.37	65.90	-14.53
WCC-3S	8/19/1997	51.37	65.89	-14.52
WCC-3S	9/3/1997	51.37	65.95	-14.58
WCC-3S	9/16/1997	51.37	65.90	-14.53
WCC-3S	7/14/1998	51.37	64.77	-13.40
WCC-3S	9/22/1998	51.37	64.85	-13.48
WCC-3S	10/16/1998	51.37	65.11	-13.74
WCC-3S	3/6/1999	51.37	64.82	-13.45
WCC-3S	7/12/1999	51.37	64.70	-13.33
WCC-3S	6/20/2000	51.37	64.84	-13.47
WCC-3S	1/15/2001	51.16	64.87	-13.71
WCC-3S	7/16/2001	51.16	64.45	-13.29
WCC-3S	3/21/2002	51.12	64.14	-13.02
WCC-3S	9/13/2002	51.12	64.54	-13.42
WCC-4S	11/13/1987	50.07	71.84	-21.77
WCC-4S	10/18/1989	50.07	69.66	-19.59
WCC-4S	6/15/1992	50.07	69.29	-19.22
WCC-4S	9/21/1992	50.07	69.56	-19.49
WCC-4S	1/5/1993	50.07	69.41	-19.34
WCC-4S	4/9/1993	50.07	68.93	-18.86
WCC-4S	6/7/1993	50.07	68.85	-18.78
WCC-4S	8/24/1993	50.07	68.44	-18.37
WCC-4S	11/18/1993	50.07	68.23	-18.16
WCC-4S	2/23/1994	50.07	67.84	-17.77
WCC-4S	6/10/1994	50.07	67.39	-17.32
WCC-4S	9/8/1994	50.07	67.44	-17.37
WCC-4S	12/21/1994	50.07	67.38	-17.31
WCC-4S	3/13/1995	50.07	67.30	-17.23
WCC-4S	6/12/1995	50.07	66.68	-16.61

**Table 3**  
**Historic Groundwater Elevations**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
WCC-4S	9/20/1995	50.07	66.45	-16.38
WCC-4S	12/12/1995	50.07	66.23	-16.16
WCC-4S	2/29/1996	50.07	67.09	-17.02
WCC-4S	6/6/1996	50.07	65.63	-15.56
WCC-4S	9/18/1996	50.07	65.56	-15.49
WCC-4S	12/18/1996	50.07	65.26	-15.19
WCC-4S	5/6/1997	50.07	64.81	-14.74
WCC-4S	7/1/1997	50.07	64.73	-14.66
WCC-4S	7/22/1997	50.07	64.80	-14.73
WCC-4S	8/4/1997	50.07	64.76	-14.69
WCC-4S	8/19/1997	50.07	64.68	-14.61
WCC-4S	9/3/1997	50.07	64.76	-14.69
WCC-4S	9/16/1997	50.07	64.68	-14.61
WCC-4S	7/14/1998	50.07	63.63	-13.56
WCC-4S	9/22/1998	50.07	63.53	-13.46
WCC-4S	10/16/1998	50.07	63.56	-13.49
WCC-4S	3/6/1999	50.07	63.50	-13.43
WCC-4S	7/12/1999	50.07	63.40	-13.33
WCC-4S	6/20/2000	50.07	63.58	-13.51
WCC-4S	1/15/2001	49.65	63.48	-13.83
WCC-4S	7/16/2001	49.65	63.00	-13.35
WCC-4S	3/21/2002	49.62	62.81	-13.19
WCC-4S	9/13/2002	49.62	63.15	-13.53
WCC-5S	10/18/1989	48.74	68.44	-19.70
WCC-5S	6/15/1992	48.74	67.87	-19.13
WCC-5S	9/21/1992	48.74	68.16	-19.42
WCC-5S	1/5/1993	48.74	68.06	-19.32
WCC-5S	4/9/1993	48.74	67.57	-18.83
WCC-5S	6/7/1993	48.74	67.52	-18.78
WCC-5S	8/24/1993	48.74	67.12	-18.38
WCC-5S	11/18/1993	48.74	66.87	-18.13
WCC-5S	2/23/1994	48.74	66.52	-17.78
WCC-5S	6/10/1994	48.74	66.07	-17.33
WCC-5S	9/8/1994	48.74	66.07	-17.33
WCC-5S	12/21/1994	48.74	65.99	-17.25
WCC-5S	3/13/1995	48.74	65.93	-17.19
WCC-5S	6/12/1995	48.74	65.30	-16.56
WCC-5S	9/20/1995	48.74	65.09	-16.35
WCC-5S	12/12/1995	48.74	64.88	-16.14
WCC-5S	2/29/1996	48.74	64.76	-16.02
WCC-5S	6/6/1996	48.74	64.28	-15.54
WCC-5S	9/18/1996	48.74	64.21	-15.47
WCC-5S	12/18/1996	48.74	63.96	-15.22
WCC-5S	5/6/1997	48.74	63.55	-14.81
WCC-5S	7/1/1997	48.74	63.45	-14.71
WCC-5S	7/22/1997	48.74	63.51	-14.77

**Table 3**  
**Historic Groundwater Elevations**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
WCC-5S	8/4/1997	48.74	63.45	-14.71
WCC-5S	8/19/1997	48.74	63.39	-14.65
WCC-5S	9/3/1997	48.74	63.46	-14.72
WCC-5S	9/16/1997	48.74	63.38	-14.64
WCC-5S	9/22/1998	48.74	62.26	-13.52
WCC-5S	10/16/1998	48.74	62.20	-13.46
WCC-5S	3/6/1999	48.74	62.13	-13.39
WCC-5S	7/12/1999	48.74	61.99	-13.25
WCC-5S	6/20/2000	48.74	62.20	-13.46
WCC-5S	1/15/2001	48.84	62.47	-13.63
WCC-5S	7/16/2001	48.84	62.12	-13.28
WCC-5S	3/21/2002	48.79	61.93	-13.14
WCC-5S	9/13/2002	48.79	62.25	-13.46
WCC-6S	10/18/1989	51.30	71.00	-19.70
WCC-6S	6/15/1992	51.30	70.70	-19.40
WCC-6S	9/21/1992	51.30	70.94	-19.64
WCC-6S	1/5/1993	51.30	70.80	-19.50
WCC-6S	4/9/1993	51.30	70.33	-19.03
WCC-6S	6/7/1993	51.30	70.27	-18.97
WCC-6S	8/24/1993	51.30	69.85	-18.55
WCC-6S	11/18/1993	51.30	69.62	-18.32
WCC-6S	2/23/1994	51.30	69.22	-17.92
WCC-6S	6/10/1994	51.30	68.78	-17.48
WCC-6S	9/8/1994	51.30	68.75	-17.45
WCC-6S	12/21/1994	51.30	68.75	-17.45
WCC-6S	3/13/1995	51.30	68.66	-17.36
WCC-6S	6/12/1995	51.30	68.05	-16.75
WCC-6S	9/20/1995	51.30	67.94	-16.64
WCC-6S	12/12/1995	51.30	67.60	-16.30
WCC-6S	2/29/1996	51.30	67.47	-16.17
WCC-6S	6/6/1996	51.30	67.06	-15.76
WCC-6S	9/18/1996	51.30	66.95	-15.65
WCC-6S	12/18/1996	51.30	66.65	-15.35
WCC-6S	5/6/1997	51.30	66.20	-14.90
WCC-6S	7/1/1997	51.30	66.09	-14.79
WCC-6S	7/22/1997	51.30	66.19	-14.89
WCC-6S	8/4/1997	51.30	66.14	-14.84
WCC-6S	9/16/1997	51.30	66.03	-14.73
WCC-6S	7/14/1998	51.30	64.99	-13.69
WCC-6S	9/22/1998	51.30	65.04	-13.74
WCC-6S	10/16/1998	51.30	65.07	-13.77
WCC-6S	3/6/1999	51.30	65.01	-13.71
WCC-6S	7/12/1999	51.30	64.85	-13.55
WCC-6S	6/20/2000	51.30	64.96	-13.66
WCC-6S	1/15/2001	51.32	65.27	-13.95
WCC-6S	7/16/2001	51.32	64.81	-13.49

**Table 3**  
**Historic Groundwater Elevations**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
WCC-6S	3/21/2002	51.30	64.56	-13.26
WCC-6S	9/13/2002	51.30	64.89	-13.59
WCC-7S	10/18/1989	48.67	68.74	-20.07
WCC-7S	6/15/1992	48.67	68.30	-19.63
WCC-7S	9/21/1992	48.67	68.60	-19.93
WCC-7S	1/5/1993	48.67	68.43	-19.76
WCC-7S	4/9/1993	48.67	67.97	-19.30
WCC-7S	6/7/1993	48.67	67.90	-19.23
WCC-7S	8/24/1993	48.67	67.50	-18.83
WCC-7S	11/18/1993	48.67	67.27	-18.60
WCC-7S	2/23/1994	48.67	66.89	-18.22
WCC-7S	6/10/1994	48.67	66.49	-17.82
WCC-7S	9/8/1994	48.67	66.47	-17.80
WCC-7S	12/21/1994	48.67	66.41	-17.74
WCC-7S	3/13/1995	48.67	66.21	-17.54
WCC-7S	6/12/1995	48.67	65.70	-17.03
WCC-7S	9/20/1995	48.67	65.49	-16.82
WCC-7S	12/12/1995	48.67	65.26	-16.59
WCC-7S	2/29/1996	48.67	65.13	-16.46
WCC-7S	6/6/1996	48.67	64.68	-16.01
WCC-7S	9/18/1996	48.67	64.62	-15.95
WCC-7S	12/18/1996	48.67	64.31	-15.64
WCC-7S	5/6/1997	48.67	63.86	-15.19
WCC-7S	7/1/1997	48.67	63.79	-15.12
WCC-7S	7/22/1997	48.67	63.87	-15.20
WCC-7S	8/4/1997	48.67	63.82	-15.15
WCC-7S	8/19/1997	48.67	63.75	-15.08
WCC-7S	9/3/1997	48.67	63.82	-15.15
WCC-7S	9/16/1997	48.67	63.73	-15.06
WCC-7S	9/22/1998	48.67	62.56	-13.89
WCC-7S	10/16/1998	48.67	62.61	-13.94
WCC-7S	3/6/1999	48.67	62.25	-13.58
WCC-7S	7/12/1999	48.67	62.13	-13.46
WCC-7S	6/20/2000	48.67	62.34	-13.67
WCC-7S	1/15/2001	50.23	64.12	-13.89
WCC-7S	7/16/2001	50.23	63.70	-13.47
WCC-7S	3/21/2002	50.20	63.51	-13.31
WCC-7S	9/13/2002	50.20	63.82	-13.62
WCC-8S	10/18/1989	50.87	70.22	-19.35
WCC-8S	6/15/1992	50.87	69.98	-19.11
WCC-8S	9/21/1992	50.87	70.21	-19.34
WCC-8S	1/5/1993	50.87	70.06	-19.19
WCC-8S	4/9/1993	50.87	69.56	-18.69
WCC-8S	6/7/1993	50.87	69.48	-18.61
WCC-8S	8/24/1993	50.87	69.06	-18.19
WCC-8S	11/18/1993	50.87	68.76	-17.89

**Table 3**  
**Historic Groundwater Elevations**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
WCC-8S	2/23/1994	50.87	68.36	-17.49
WCC-8S	6/10/1994	50.87	67.98	-17.11
WCC-8S	9/8/1994	50.87	68.01	-17.14
WCC-8S	12/21/1994	50.87	67.99	-17.12
WCC-8S	3/13/1995	50.87	68.16	-17.29
WCC-8S	6/12/1995	50.87	67.29	-16.42
WCC-8S	9/20/1995	50.87	67.03	-16.16
WCC-8S	12/12/1995	50.87	66.76	-15.89
WCC-8S	2/29/1996	50.87	66.63	-15.76
WCC-8S	6/6/1996	50.87	66.21	-15.34
WCC-8S	9/18/1996	50.87	66.14	-15.27
WCC-8S	12/18/1996	50.87	65.86	-14.99
WCC-8S	5/6/1997	50.87	65.43	-14.56
WCC-8S	7/1/1997	50.87	65.31	-14.44
WCC-8S	7/22/1997	50.87	65.37	-14.50
WCC-8S	8/4/1997	50.87	65.33	-14.46
WCC-8S	8/19/1997	50.87	65.26	-14.39
WCC-8S	9/3/1997	50.87	65.33	-14.46
WCC-8S	9/16/1997	50.87	65.26	-14.39
WCC-9S	10/18/1989	46.32	66.39	-20.07
WCC-9S	6/15/1992	46.32	65.76	-19.44
WCC-9S	9/21/1992	46.32	65.98	-19.66
WCC-9S	1/5/1993	46.32	65.88	-19.56
WCC-9S	4/9/1993	46.32	65.41	-19.09
WCC-9S	6/7/1993	46.32	65.41	-19.09
WCC-9S	8/24/1993	46.32	65.01	-18.69
WCC-9S	11/18/1993	46.32	64.74	-18.42
WCC-9S	2/23/1994	46.32	64.41	-18.09
WCC-9S	6/10/1994	46.32	64.95	-18.63
WCC-9S	09/08/1994	46.32	65.40	-19.08
WCC-9S	12/21/1994	46.32	63.83	-17.51
WCC-9S	03/13/1995	46.32	63.73	-17.41
WCC-9S	06/12/1995	46.32	63.11	-16.79
WCC-9S	09/20/1995	46.32	62.96	-16.64
WCC-9S	12/12/1995	46.32	62.71	-16.39
WCC-9S	02/29/1996	46.32	62.81	-16.49
WCC-9S	06/06/1996	46.32	62.18	-15.86
WCC-9S	09/18/1996	46.32	62.08	-15.76
WCC-9S	12/18/1996	46.32	61.79	-15.47
WCC-9S	05/06/1997	46.32	61.42	-15.10
WCC-9S	07/01/1997	46.32	61.32	-15.00
WCC-9S	07/22/1997	46.32	61.39	-15.07
WCC-9S	08/04/1997	46.32	61.32	-15.00
WCC-9S	08/19/1997	46.32	61.28	-14.96
WCC-9S	09/03/1997	46.32	61.33	-15.01
WCC-9S	09/16/1997	46.32	61.25	-14.93

**Table 3**  
**Historic Groundwater Elevations**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
WCC-9S	09/22/1998	46.32	60.24	-13.92
WCC-9S	10/16/1998	46.32	60.14	-13.82
WCC-9S	03/06/1999	46.32	60.17	-13.85
WCC-9S	07/12/1999	46.32	59.87	-13.55
WCC-9S	06/20/2000	46.32	60.02	-13.70
WCC-9S	01/15/2001	46.93	60.90	-13.97
WCC-9S	07/16/2001	46.93	60.54	-13.61
WCC-9S	03/21/2002	46.85	60.33	-13.48
WCC-9S	09/13/2002	46.85	60.90	-14.05
WCC-10S	10/18/1989	51.29	69.71	-18.42
WCC-10S	6/15/1992	51.29	70.23	-18.94
WCC-10S	9/21/1992	51.29	70.62	-19.33
WCC-10S	1/5/1993	51.29	70.39	-19.10
WCC-10S	4/9/1993	51.29	69.71	-18.42
WCC-10S	6/7/1993	51.29	69.62	-18.33
WCC-10S	8/24/1993	51.29	69.12	-17.83
WCC-10S	11/18/1993	51.29	68.83	-17.54
WCC-10S	2/23/1994	51.29	68.36	-17.07
WCC-10S	6/10/1994	51.29	67.96	-16.67
WCC-10S	9/8/1994	51.29	68.32	-17.03
WCC-10S	12/21/1994	51.29	68.26	-16.97
WCC-10S	3/13/1995	51.29	67.85	-16.56
WCC-10S	6/12/1995	51.29	67.34	-16.05
WCC-10S	9/20/1995	51.29	67.18	-15.89
WCC-10S	12/12/1995	51.29	66.83	-15.54
WCC-10S	2/29/1996	51.29	66.51	-15.22
WCC-10S	6/6/1996	51.29	66.06	-14.77
WCC-10S	9/18/1996	51.29	65.97	-14.68
WCC-10S	5/6/1997	51.29	65.07	-13.78
WCC-10S	7/1/1997	51.29	65.03	-13.74
WCC-10S	7/22/1997	51.29	65.05	-13.76
WCC-10S	8/4/1997	51.29	65.02	-13.73
WCC-10S	8/19/1997	51.29	64.98	-13.69
WCC-10S	9/3/1997	51.29	65.01	-13.72
WCC-10S	9/16/1997	51.29	64.99	-13.70
WCC-10S	7/14/1998	51.29	63.82	-12.53
WCC-10S	3/6/1999	51.29	63.96	-12.67
WCC-10S	7/12/1999	51.29	63.92	-12.63
WCC-10S	6/20/2000	51.29	64.42	-13.13
WCC-10S	1/15/2001	58.17	71.37	-13.20
WCC-11S	6/15/1992	50.29	67.91	-17.62
WCC-11S	9/21/1992	50.29	69.10	-18.81
WCC-11S	1/5/1993	50.29	68.98	-18.69
WCC-11S	4/9/1993	50.29	68.42	-18.13
WCC-11S	6/7/1993	50.29	68.33	-18.04
WCC-11S	8/24/1993	50.29	67.89	-17.60

**Table 3**  
**Historic Groundwater Elevations**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
WCC-11S	11/18/1993	50.29	67.65	-17.36
WCC-11S	2/23/1994	50.29	67.25	-16.96
WCC-11S	6/10/1994	50.29	66.74	-16.45
WCC-11S	9/8/1994	50.29	66.87	-16.58
WCC-11S	12/21/1994	50.29	66.92	-16.63
WCC-11S	3/13/1995	50.29	66.77	-16.48
WCC-11S	6/12/1995	50.29	66.12	-15.83
WCC-11S	9/20/1995	50.29	65.88	-15.59
WCC-11S	12/12/1995	50.29	65.64	-15.35
WCC-11S	2/29/1996	50.29	65.48	-15.19
WCC-11S	6/6/1996	50.29	65.00	-14.71
WCC-11S	9/18/1996	50.29	64.93	-14.64
WCC-11S	12/18/1996	50.29	64.63	-14.34
WCC-11S	5/6/1997	50.29	64.17	-13.88
WCC-11S	7/1/1997	50.29	64.05	-13.76
WCC-11S	7/22/1997	50.29	64.13	-13.84
WCC-11S	8/4/1997	50.29	64.03	-13.74
WCC-11S	8/19/1997	50.29	64.03	-13.74
WCC-11S	9/3/1997	50.29	64.10	-13.81
WCC-11S	9/16/1997	50.29	64.04	-13.75
WCC-11S	9/22/1998	50.29	62.97	-12.68
WCC-11S	10/16/1998	50.29	62.97	-12.68
WCC-11S	3/6/1999	50.29	62.93	-12.64
WCC-11S	7/12/1999	50.29	62.82	-12.53
WCC-11S	6/20/2000	50.29	63.17	-12.88
WCC-11S	1/15/2001	51.37	64.32	-12.95
WCC-11S	7/16/2001	51.37	64.00	-12.63
WCC-11S	3/21/2002	51.34	63.68	-12.34
WCC-11S	9/13/2002	51.34	64.20	-12.86
WCC-12S	6/15/1992	47.31	66.91	-19.60
WCC-12S	9/21/1992	47.31	67.21	-19.90
WCC-12S	1/5/1993	47.31	67.05	-19.74
WCC-12S	4/9/1993	47.31	66.57	-19.26
WCC-12S	6/7/1993	47.31	66.51	-19.20
WCC-12S	8/24/1993	47.31	66.09	-18.78
WCC-12S	11/18/1993	47.31	65.89	-18.58
WCC-12S	2/23/1994	47.31	65.44	-18.13
WCC-12S	6/10/1994	47.31	65.05	-17.74
WCC-12S	9/8/1994	47.31	65.10	-17.79
WCC-12S	12/21/1994	47.31	64.98	-17.67
WCC-12S	3/13/1995	47.31	64.94	-17.63
WCC-12S	6/12/1995	47.31	64.31	-17.00
WCC-12S	9/20/1995	47.31	64.10	-16.79
WCC-12S	12/12/1995	47.31	63.85	-16.54
WCC-12S	2/29/1996	47.31	63.71	-16.40
WCC-12S	6/6/1996	47.31	63.27	-15.96

**Table 3**  
**Historic Groundwater Elevations**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Monitored	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet MSL)
WCC-12S	9/18/1996	47.31	63.19	-15.88
WCC-12S	12/18/1996	47.31	62.87	-15.56
WCC-12S	5/6/1997	47.31	62.46	-15.15
WCC-12S	7/1/1997	47.31	62.38	-15.07
WCC-12S	7/22/1997	47.31	62.44	-15.13
WCC-12S	8/4/1997	47.31	62.40	-15.09
WCC-12S	8/19/1997	47.31	62.34	-15.03
WCC-12S	9/3/1997	47.31	62.41	-15.10
WCC-12S	9/16/1997	47.31	62.33	-15.02
WCC-12S	7/14/1998	47.31	61.27	-13.96
WCC-12S	9/22/1998	47.31	61.37	-14.06
WCC-12S	10/16/1998	47.31	61.28	-13.97
WCC-12S	3/6/1999	47.31	61.20	-13.89
WCC-12S	7/12/1999	47.31	60.88	-13.57
WCC-12S	6/20/2000	47.31	61.16	-13.85
WCC-12S	1/15/2001	46.93	60.95	-14.02
WCC-12S	7/16/2001	46.93	60.64	-13.71
WCC-12S	3/21/2002	46.92	60.44	-13.52
WCC-12S	9/13/2002	46.92	60.70	-13.78

Notes:

NA = Not available

MSL = Mean Sea Level

QA/QC: RT

Date 11/01/02

**Table 4**  
**Volatile Organic Compounds by EPA 8260B - September 2002**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Sampled	1,1,1,2-Tetra chloro ethane ug/L	1,1,1-Trichloro ethane ug/L	1,1,2,2-Tetra chloro ethane ug/L	1,1,2-Trichloro ethane ug/L	1,1,2-Trichloro trifluoro ethane ug/L	1,1-Dichloro ethane ug/L	1,1-Dichloro ethene ug/L	1,1-Dichloro propene ug/L	1,2,3-benzene ug/L	1,2,3-Trichloro propane ug/L	1,2,4-Trichloro benzene ug/L	1,2,4-Trimethyl benzene ug/L	1,2-Dibromo-3-chloro propane ug/L	1,2-Dibromo ethane ug/L
WCC_5S	09/16/02	<1	<1	<1	<1		<1	5.8	<1	<1	<1	<1	<1	<2	<1
DAC_P1	09/19/02	<50	<50	<50	<50		<50	<50	<50	<50	<50	<50	<50	<100	<50
TMW_1	09/18/02	<2	<2	<2	<2		<2	170	<2	<2	<2	<2	<2	<4	<2
TMW_1 DUP	09/18/02	<2	<2	<2	<2		<2	190	<2	<2	<2	<2	<2	<4	<2
TMW_2	09/19/02	<100	1400	<100	61J	2200	27000	<100	<100	<100	<100	<100	<100	<200	<100
TMW_3	09/19/02	<10	8.5J	<10	10		19	160	<10	<10	<10	<10	<10	<20	<10
TMW_4	09/18/02	<5	<5	<5	<5	4.4J	12	660	<5	<5	<5	<5	<5	<10	<5
TMW_5	09/18/02	<25	<25	<25	25		9.5J	640	<25	<25	<25	<25	<25	<50	<25
TMW_6	09/18/02	<1	<1	<1	<1		0.38J	3.4	<1	<1	<1	<1	<1	<2	<1
TMW_7	09/18/02	<5	<5	<5	<5	2.6J		7.7	390	<5	<5	<5	<5	<10	<5
TMW_10	09/16/02	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<2	<1
TMW_11	09/17/02	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<2	<1
TMW_12	09/18/02	<5	<5	<5	<5		<5	17	<5	<5	<5	<5	<5	<10	<5
TMW_14	09/16/02	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<2	<1
TMW_15	09/17/02	<1	<1	<1	<1		<1	0.46J	<1	<1	<1	<1	<1	0.42J	<1
TMW_16	09/16/02	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<2	<1
<b>Quality Control Data</b>															
Trip Blanks															
TB_TAIT091602_0001	09/16/02	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<2	<1
TB_TAIT091702_0001	09/17/02	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<2	<1
TB_TAIT091802_0001	09/18/02	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<2	<1
TB_TAIT091902_0001	09/19/02	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<2	<1
Equipment Blanks															
EB_TAIT091602_0001	09/16/02	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<2	<1
EB_TAIT091602_0002	09/16/02	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<2	<1
EB_TAIT091702_0001	09/17/02	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<2	<1
EB_TAIT091802_0001	09/18/02	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<2	<1
EB_TAIT091902_0001	09/19/02	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<2	<1
Field Blanks															
FB_TAIT091602_0001	09/16/02	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<2	<1
FB_TAIT091702_0001	09/17/02	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<2	<1
FB_TAIT091802_0001	09/18/02	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<2	<1
FB_TAIT091902_0001	09/19/02	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<2	<1

Note:

J = Estimated value

ug/L = Micrograms per liter

**Table 4**  
**Volatile Organic Compounds by EPA 8260B - September 2002**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Sampled	1,2-Dichloro benzene	1,2-Dichloro ethane	1,3,5-Trimethyl benzene	1,3-Dichloro benzene	1,4-Dichloro benzene	2,2-Dichloro propane	2-Butanone	2-Chloro ethyl vinyl ether	2-Chloro toluene	2-Hexanone	4-Chloro toluene	4-Methyl-2-pentanone	Acetone	Acrolein
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
WCC_5S	09/16/02	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
DAC_P1	09/19/02	<50	<25	<50	<50	<50	<50	<250	<250	<50	<250	<50	<250	<500	<1000
TMW_1	09/18/02	<2	<1	<2	<2	<2	<2	<10	<10	<2	<10	<2	<10	<20	<40
TMW_1 DUP	09/18/02	<2	<1	<2	<2	<2	<2	<10	<10	<2	<10	<2	<10	<20	<40
TMW_2	09/19/02	<100	230	<100	<100	<100	<100	140000	<500	<100	<500	<100	1300	<1000	<2000
TMW_3	09/19/02	<10	<5	<10	<10	<10	<10	<50	<50	<10	<50	<10	<50	<100	<200
TMW_4	09/18/02	<5	7.6	<5	<5	<5	<5	<25	<25	<5	<25	<5	<25	<50	<100
TMW_5	09/18/02	<25	25	<25	<25	<25	<25	<120	<120	<25	<120	<25	<120	<250	<500
TMW_6	09/18/02	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
TMW_7	09/18/02	<5	4.6	<5	<5	<5	<5	<25	<25	<5	<25	<5	<25	<50	<100
TMW_10	09/16/02	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
TMW_11	09/17/02	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
TMW_12	09/18/02	<5	<2.5	<5	<5	<5	<5	<25	<25	<5	<25	<5	<25	<50	<100
TMW_14	09/16/02	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
TMW_15	09/17/02	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
TMW_16	09/16/02	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
<b>Quality Control Data</b>															
Trip Blanks															
TB_TAIT091602_0001	09/16/02	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
TB_TAIT091702_0001	09/17/02	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
TB_TAIT091802_0001	09/18/02	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	6J	<20
TB_TAIT091902_0001	09/19/02	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	8.5J	<20
Equipment Blanks															
EB_TAIT091602_0001	09/16/02	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
EB_TAIT091602_0002	09/16/02	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
EB_TAIT091702_0001	09/17/02	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
EB_TAIT091802_0001	09/18/02	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
EB_TAIT091902_0001	09/19/02	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
Field Blanks															
FB_TAIT091602_0001	09/16/02	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
FB_TAIT091702_0001	09/17/02	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20
FB_TAIT091802_0001	09/18/02	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	7.3J	<20
FB_TAIT091902_0001	09/19/02	<1	<0.5	<1	<1	<1	<1	<5	<5	<1	<5	<1	<5	<10	<20

Note:

J = Estimated value

ug/L = Micrograms per liter

**Table 4**  
**Volatile Organic Compounds by EPA 8260B - September 2002**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Sampled	Acrylo	Benzene	Bromo benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon disulfide	Carbon teta chloride	Chloro benzene	Chloro ethane	Chloro form	Chloro methane	cis-1,2-Dichloro ethene	Dibromo chloro methane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
WCC_5S	09/16/02	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	<1	<2	<1	<1
DAC_P1	09/19/02	<1000	<50	<50	<50	<50	<50	<100	<50	<25	<50	<100	37J	<100	80	<50
TMW_1	09/18/02	<40	<2	<2	<2	0.83J	<2	<4	<2	<1	<2	<4	4.2	<4	<2	<2
TMW_1 DUP	09/18/02	<40	<2	<2	<2	0.82J	<2	<4	<2	<1	<2	<4	3.6	<4	<2	<2
TMW_2	09/19/02	<2000	66J	<100	<100	<100	<100	<200	<100	<50	<100	<200	240	<200	14000	<100
TMW_3	09/19/02	<200	<10	<10	<10	<10	<10	<20	<10	<5	<10	<20	9.9J	<20	30	<10
TMW_4	09/18/02	<100	<5	<5	<5	<5	<5	<10	<5	<2.5	<5	<10	11	<10	18	<5
TMW_5	09/18/02	<500	<25	<25	<25	<25	<25	<50	<25	<12	<25	<50	25	<50	32	<25
TMW_6	09/18/02	<20	<1	<1	<1	0.64J	<1	<2	<1	<0.5	<1	<2	180	<2	<1	<1
TMW_7	09/18/02	<100	<5	<5	<5	<5	<5	<10	<5	<2.5	<5	<10	4J	<10	12	<5
TMW_10	09/16/02	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	2.9	<2	<1	<1
TMW_11	09/17/02	<20	<1	<1	<1	0.35J	<1	<2	<1	3.4	<1	<2	330	<2	<1	<1
TMW_12	09/18/02	<100	<5	<5	<5	<5	<5	<10	<5	4.5	<5	<10	1600	<10	<5	<5
TMW_14	09/16/02	<20	<1	<1	<1	<1	<1	<2	<1	2	<1	<2	4	<2	0.34J	<1
TMW_15	09/17/02	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	6.5	<2	0.75J	<1
TMW_16	09/16/02	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	<1	<1	<1	<1
<b>Quality Control Data</b>																
Trip Blanks																
TB_TAIT091602_0001	09/16/02	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	<1	<2	<1	<1
TB_TAIT091702_0001	09/17/02	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	<1	<2	<1	<1
TB_TAIT091802_0001	09/18/02	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	<1	<2	<1	<1
TB_TAIT091902_0001	09/19/02	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	<1	<2	<1	<1
Equipment Blanks																
EB_TAIT091602_0001	09/16/02	<20	<1	<1	<1	<1	0.72J	<1	<1	<0.5	<1	<2	<1	<2	<1	<1
EB_TAIT091602_0002	09/16/02	<20	<1	<1	<1	<1	0.72J	<1	<1	<0.5	<1	<2	0.54J	<2	<1	<1
EB_TAIT091702_0001	09/17/02	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	<1	<2	<1	<1
EB_TAIT091802_0001	09/18/02	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	<1	<2	<1	<1
EB_TAIT091902_0001	09/19/02	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	<1	<2	<1	<1
Field Blanks																
FB_TAIT091602_0001	09/16/02	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	<1	<2	<1	<1
FB_TAIT091702_0001	09/17/02	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	<1	<2	<1	<1
FB_TAIT091802_0001	09/18/02	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	<1	<2	<1	<1
FB_TAIT091902_0001	09/19/02	<20	<1	<1	<1	<1	<1	<2	<1	<0.5	<1	<2	<1	<2	<1	<1

Note:  
J = Estimated value  
ug/L = Micrograms per liter

**Table 4**  
**Volatile Organic Compounds by EPA 8260B - September 2002**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Sampled	Dichloro difluoro methane	Ethyl benzene	Hexa chloro butadiene	Iodo methane	Isopropyl ether	Isopropyl benzene	Methyl tert-butyl ether	Methylene chloride	n-Butyl benzene	n-Propyl benzene	p-Isopropyl toluene	sec-Butyl benzene	Styrene	t-Butanol	Tert-amyl methyl ether
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
WCC_5S	09/16/02	<1	<1	<1	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<25	<2
DAC_P1	09/19/02	<50	<50	<50	<100	<100	<50	<50	<50	<50	<50	<50	<50	<50	<1200	<100
TMW_1	09/18/02	<2	<2	<2	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<50	<4
TMW_1 DUP	09/18/02	<2	<2	<2	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<50	<4
TMW_2	09/19/02	<100	<100	<100	<200	<200	<100	<100	38J	<100	<100	<100	<100	<100	<2500	<200
TMW_3	09/19/02	<10	<10	<10	<20	<20	<10	<10	<10	<10	<10	<10	<10	<10	<250	<20
TMW_4	09/18/02	<5	<5	<5	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<120	<10
TMW_5	09/18/02	<25	<25	<25	<50	<50	<25	<25	<25	<25	<25	<25	<25	<25	<620	<50
TMW_6	09/18/02	<1	<1	<1	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<25	<2
TMW_7	09/18/02	<5	<5	<5	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<120	<10
TMW_10	09/16/02	2	<1	<1	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<25	<2
TMW_11	09/17/02	<1	<1	<1	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<25	<2
TMW_12	09/18/02	<5	<5	<5	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<120	<10
TMW_14	09/16/02	<1	<1	<1	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<25	<2
TMW_15	09/17/02	<1	<1	<1	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<25	<2
TMW_16	09/16/02	<1	<1	<1	<2	<2	<1	<1	2.3	<1	<1	<1	<1	<1	<25	<2
<b>Quality Control Data</b>																
Trip Blanks																
TB_TAIT091602_0001	09/16/02	<1	<1	<1	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<25	<2
TB_TAIT091702_0001	09/17/02	<1	<1	<1	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<25	<2
TB_TAIT091802_0001	09/18/02	<1	<1	<1	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<25	<2
TB_TAIT091902_0001	09/19/02	<1	<1	<1	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<25	<2
Equipment Blanks																
EB_TAIT091602_0001	09/16/02	<1	<1	<1	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<25	<2
EB_TAIT091602_0002	09/16/02	<1	<1	<1	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<25	<2
EB_TAIT091702_0001	09/17/02	<1	<1	<1	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<25	<2
EB_TAIT091802_0001	09/18/02	<1	<1	<1	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<25	<2
EB_TAIT091902_0001	09/19/02	<1	<1	<1	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<25	<2
Field Blanks																
FB_TAIT091602_0001	09/16/02	<1	<1	<1	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<25	<2
FB_TAIT091702_0001	09/17/02	<1	<1	<1	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<25	<2
FB_TAIT091802_0001	09/18/02	<1	<1	<1	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<25	<2
FB_TAIT091902_0001	09/19/02	<1	<1	<1	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<25	<2

Note:

J = Estimated value

ug/L = Micrograms per liter

**Table 4**  
**Volatile Organic Compounds by EPA 8260B - September 2002**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Sampled	Tert-butyl ethyl ether	tert- Butyl benzene	Tetra chloro ethene	Tetra hydro furan	Toluene	trans-1,2- Dichloro ethene	Trichloro ethene	Trichloro fluoro methane	Vinyl acetate	Vinyl chloride	Xylenes (total)
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
WCC_5S	09/16/02	<2	<1	0.34J	<10	3	<1	1.5	0.86J	<5	<0.5	<1
DAC_P1	09/19/02	<100	<50	<50	<500	<50	<50	18,000	<100	<250	<25	<50
TMW_1	09/18/02	<4	<2	3	<20	<2	<2	540	22	<10	<1	<2
TMW_1 DUP	09/18/02	<4	<2	3.4	<20	<2	<2	520	25	<10	<1	<2
TMW_2	09/19/02	<200	<100	<100	<1000	5,200	770	8,400	<200	<500	<50	<100
TMW_3	09/19/02	<20	<10	<10	<100	<10	<10	4,500	<20	<50	<5	<10
TMW_4	09/18/02	<10	<5	<5	<50	<5	13	1,700	<10	<25	<5	<5
TMW_5	09/18/02	<50	<25	<25	<250	<25	<25	8,800	<50	<120	<12	<25
TMW_6	09/18/02	<2	<1	<1	<10	<1	<1	53	<2	<5	<0.5	<1
TMW_7	09/18/02	<10	<5	<5	<50	<5	9	1,900	<10	<25	<2.5	<5
TMW_10	09/16/02	<2	<1	0.82J	<10	2.2	<1	3.8	1.5J	<5	<0.5	<1
TMW_11	09/17/02	<2	<1	4.3	<10	<1	<1	5.2	<2	<5	<0.5	<1
TMW_12	09/18/02	<10	<5	13	<50	<5	<5	120	<10	<25	<2.5	<5
TMW_14	09/16/02	<2	<1	1.1	<10	0.98J	<1	10	<2	<5	<0.5	<1
TMW_15	09/17/02	<2	<1	<1	<10	4.4	<1	25	<2	<5	<0.5	<1
TMW_16	09/16/02	<2	<1	1.1	<10	<1	<1	1.7	<2	<5	<0.5	<1
<b>Quality Control Data</b>												
Trip Blanks												
TB_TAIT091602_0001	09/16/02	<2	<1	<1	<10	<1	<1	<1	<2	<5	<0.5	<1
TB_TAIT091702_0001	09/17/02	<2	<1	<1	<10	<1	<1	<1	<2	<5	<0.5	<1
TB_TAIT091802_0001	09/18/02	<2	<1	<1	<10	<1	<1	<1	<2	<5	<0.5	<1
TB_TAIT091902_0001	09/19/02	<2	<1	<1	<10	<1	<1	<1	<2	<5	<0.5	<1
Equipment Blanks												
EB_TAIT091602_0001	09/16/02	<2	<1	<1	<10	<1	<1	<1	<2	<5	<0.5	<1
EB_TAIT091602_0002	09/16/02	<2	<1	<1	<10	<1	<1	<1	<2	<5	<0.5	<1
EB_TAIT091702_0001	09/17/02	<2	<1	<1	<10	<1	<1	<1	<2	<5	<0.5	<1
EB_TAIT091802_0001	09/18/02	<2	<1	<1	<10	<1	<1	<1	<2	<5	<0.5	<1
EB_TAIT091902_0001	09/19/02	<2	<1	<1	<10	<1	<1	<1	<2	<5	<0.5	<1
Field Blanks												
FB_TAIT091602_0001	09/16/02	<2	<1	<1	<10	<1	<1	<1	<2	<5	<0.5	<1
FB_TAIT091702_0001	09/17/02	<2	<1	<1	<10	<1	<1	<1	<2	<5	<0.5	<1
FB_TAIT091802_0001	09/18/02	<2	<1	<1	<10	<1	<1	<1	<2	<5	<0.5	<1
FB_TAIT091902_0001	09/19/02	<2	<1	<1	<10	<1	<1	<1	<2	<5	<0.5	<1

Note:

J = Estimated value

ug/L = Micrograms per liter

QA/QC: RT  
Date 11/01/02

**Table 5**  
**Summary of Historical Volatile Organic Compounds**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Sampled	1,1,-DCA	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	Isopropyl benzene	Acetone	Benzene	Carbon disulfide	Carbon tetrachloride	Chloroform	cis-1,2-DCE	trans-1,2-DCE	MEK (2-butanone)	Methylene chloride	MIBK	PCE	TCE	Toluene	Ethyl Benzene	Xylenes (total)	Trichlorofluoromethane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
WCC-1S	3/27/1987	300			2800					85									4600				
	4/13/1987	260			3700					110									5500				
Dup	11/12/1987	23	160	3000						160									5200				
	4/13/1988	120		2500															3600				
	7/13/1988	<20	67	900						<20									2400	<20			
	8/23/1989	30	<30	1500						<30									2800	<30			
	11/18/1991		1300																3700				
	6/17/1992	<50	<50	1700						<300	<50								3800	<50			
	9/23/1992	13	16	<1	1800					<1	<5	37	22						3400	1			
	12/9/1992	<30	<30	<30	1500	<30	<100	30	<30	<30	<30	<30	<30	<20	<20	<100	<100		3100	<30	<30	<30	<30
	3/18/1993	13	15	<2	1000	<2	<2	<10	33	<5	<5	14	27	15	<10	<10	4	<5	2100	<2	<2	<2	<5
	6/8/1993	<20	<20	<20	1200	<20	<20	<400	35	<20	<20	<20	<20	<20	<20	<400	<100	<200	2400	<20	<20	<20	<20
	8/25/1993	<20	<20	<40	1700	<20	<20	<400	42	<20	<20	<20	<20	<20	<20	<400	<40	<200	3300	<20	<20	<20	<20
	11/19/1993	<20	<20	<40	1600	<20	<20	<400	38	<20	<20	<20	<20	<20	<20	<400	<100	<200	2600	<20	<20	<20	<20
	2/24/1994	<20	<20	<40	1800	<20	<20	<400	39	<20	<20	<20	<20	<20	<20	<400	<100	<200	2700	<20	<20	<20	<20
	6/13/1994	11	11	<20	1000	<10	<10	<200	<10	<10	<10	<10	20	16	<200	<50	<100	1700	<10	<10	<30	<10	
	9/9/1994	<40	<40	<80	1400	<40	<40	<800	<40	<40	<40	<40	<40	<40	<40	<800	<200	<400	2300	<40	<40	<120	<40
	12/22/1994	23	24	<40	3000	<20	<20	<400	57	<20	<20	<20	<20	<20	<20	<400	<100	<200	3100	<20	<20	<40	<20
	3/14/1995	<20	<20	<40	2000	<20	<20	<400	34	<20	<20	<20	<20	<20	<20	<400	<100	<200	2300	<20	<20	<40	<20
	6/13/1995	20	<20	<40	2700	<20	<20	<400	45	<20	<20	<20	<20	<20	<20	<400	<100	<200	3200	<20	<20	<20	<20
	9/7/1995	22	22	<5	1800	<5	<5	<10	51	<5	<5	16	37	37	<10	<5	<10	2600	<5	<5	<5	<5	
	12/15/1995	26	22	<2	2900	<2	<2	<2	42	<2	<2	17	34	40	<2	<2	2600	<2	<2	<4	<2		
	3/4/1996	27	24	<20	3000	<20	<20	<40	20	<20	<20	<20	<20	<20	<20	<40	<20	2700	<20	<20	<40	<20	
	6/7/1996	27	20	<5	2500	<5	<5	<10	7	<5	<5	12	28	39	<10	<5	2200	<5	<5	<5	<5		
	9/19/1996	<50	<50	3200	<50	<50	<50	<50	<50	<50	<50	63	<500	<50	<50	<500	<50	2400	<50	<50	<50	<50	
Dup	12/15/1996	26	22	<2	2800	<2	<2	<2	42	<2	<2	16	33	40	<2	<2	2560	<2	<2	<4	<2		
Dup	12/18/1996	<50	<50	<50	2600	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<500	<50	2200	<50	<50	<50	<50	
Dup	12/18/1996	<50	<50	<50	3200	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<500	<50	2700	<50	<50	<50	<50	
	5/8/1997	<50	<50	<50	3900	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<500	<50	2600	<50	<50	<50	<50	
	7/8/1997	<50	<50	<50	2600	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<500	<50	2400	<50	<50	<50	<50	
	8/6/1997	<50	<50	<50	3800	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<500	<50	2700	<50	<50	<50	<50	
	8/22/1997	<50	<50	<50	3800	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<500	<50	2700	<50	<50	<50	<50	
	9/5/1997	<50	<50	<50	3500	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<500	<50	2500	<50	<50	<50	<50	
	9/17/1997	<50	<50	3400	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<500	<50	2700	<50	<50	<50	<50	
Dup	12/18/1997	<50	<50	2600						<50								2300	<50				
WCC-1D	7/25/1989	<1	<1	<1						<1								<5	2	1			
	8/23/1989	<1	1	<1						<1								2	2	<1			
	11/15/1991	8	90															40	20				
Dup	6/15/1992	<25	63	1500						<50	<25								230	<25			
Dup	6/15/1992	<25	64	1300						<50	<25								210	<25			
	9/22/1992	<1	8	<1	180	<1	<1	<5	<1	<1	<1	<1	<1	<2	<1	<5	11	<5	44	<1			
	12/7/1992	<1	8	<1	160	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<5	2	<5	41	<1			
Dup	12/7/1992	<1	160	<1	150	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<5	2	<5	6	3	<1	<1	
	3/16/1993	<2	19	<2	200	<2	<2	<10	<2	<5	<5	<2	<3	<2	<2	<10	<5	23	<2		<5	<5	
	6/8/1993	<10	<14	<20	500	<10	<10	<200	<10	<10	<10	<10	<10	<10	<10	<200	<20	<100	71	<10	<10	<10	<4
Dup	6/8/1993	<4	17	<8	460	<4	<4	<80	<4	<4	<4	<4	<4	<4	<4	<80	<10	<40	72	<4	<4	<10	<4
	8/24/1993	<2	16	<4	540	<2	<2	<40	<2	<2	<2	<2	<2	<2	<2	<40	<4	<20	67	2	<2	<10	<4
	11/18/1993	<2	16	<4	880	<2	<2	<40	<2	<2	<2	<2	<2	<2	<2	<40	<10	<20	110	<2	<2	<10	<4
	2/23/1994	<2	3	<4	140	<2	<2	<40	<2	<2	<2	<2	<2	<2	<2	<40	<10	<20	14	<2			
	6/10/1994	<3	37	<4	230	<3	<3	<40	<2	<2	<2	<2	<2	<2	<2	<40	<20	<20	24	<2			
	9/8/1994	<2	3	<4	210	<2	<2	<40	<2	<2	<2	<2	<2	<2	<2	<40	<10	<20	37	<2			
	12/22/1994	<2	10	<4	600	<2	<2	<40	<2	<2	<2	<2	<2	<2	<2	<40	<10	<20	71	2.2			
	3/13/1995	<4	<4	<8	240	<4	<4	<80	<4	<4	<4	<4	<4	<4	<4	<80	<20	<40	36	<4			
	6/13/1995	<2	<2	<4	170	<2	<2	<40	<2	<3	<3	<2	<2	<2	<2	<40	<10	<20	21	<2			
	9/3/1995	<5	<5	<5	150	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	29	<5			
	12/16/1995	<2	<2	<2	12	<2	<2																

**Table 5**  
**Summary of Historical Volatile Organic Compounds**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Sampled	1,1,-DCA	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	Isopropyl benzene	Acetone	Benzene	Carbon disulfide	Carbon tetrachloride	Chloroform	cis-1,2-DCE	trans-1,2-DCE	MEK (2-butanone)	Methylene chloride	MBK	PCE	TCE	Toluene	Ethyl Benzene	Xylenes (total)	Trichlorofluoromethane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
WCC-1D	5/7/1997	<1	<1	<1	<1	<1	<10	<1	<5	<1	<1	1.2	<1	<10	<1	<10	<1	3.1	<1	<1	<1	<1	<1
	7/8/1997	<1	<1	<1	<1	<1	<10	<1	<5	<1	<1	1.1	<1	<10	<1	<10	<1	3.3	<1	<1	<1	<1	<1
	7/23/1997	<1	<1	<1	2.1	<1	<1	<10	<1	<5	<1	1.2	<1	<10	<1	<10	<1	14	7.5	<1	<1	<1	<1
	8/5/1997	<1	<1	<1	3.4	<1	<1	<10	<1	<5	<1	1.3	<1	<10	<1	<10	<1	20	14	<1	<1	<1	<1
	8/20/1997	<1	<1	<1	<1	<1	<10	<1	<5	<1	<1	<1	<1	<10	<1	<10	<1	2.6	<1	<1	<1	<1	<1
	9/4/1997	<1	1.2	<1	6.3	<1	<1	<10	<1	<5	<1	1.6	<1	<10	<1	<10	<1	25	27	<1	<1	<1	<1
	9/17/1997	<1	1.2	<1	6	<1	<1	<10	<1	<5	<1	1.5	<1	<10	<1	<10	<1	26	26	<1	<1	<1	<1
WCC-2S	11/2/1987	5	5																6				
	11/12/1987	1	2																4	1			
	7/13/1989	<1	<1	<1															5	<1			
	8/23/1989	<1	<1	<1															3	<1			
	11/19/1991	8	30																110	75			
	6/16/1992	<5	<5	30															100	<5			
	9/22/1992	<1	<1	<1	18	<1													100				
Dup	9/22/1992	<1	<1	<1	19	<1													110	1			
Dup	12/8/1992	<1	2	<1	49	<1													97	1			
Dup	12/8/1992	<2	2	<1	27	<1												140	<1				
Dup	3/17/1993	<2	<2	<2	32	<2												99	<1				
Dup	3/17/1993	<2	<2	<2	33	<2												100	<2				
	6/7/1993	<2	<2	<4	48	<2												150	<2				
	8/24/1993	<2	<2	<4	16	<2												90	<2				
	11/19/1993	<2	<2	<4	41	<2												94	<2				
	2/24/1994	<2	<2	<4	30	<2												96	<2				
	6/10/1994	<2	<2	<4	24	<2												97	<2				
	9/8/1994	<2	<2	<4	37	<2												150	<2				
	12/22/1994	<2	<2	<4	28	<2												110	<2				
	3/13/1995	<2	<2	<4	27	<2												160	<2				
	6/12/1995	<2	<2	<4	30	<2												130	<2				
	9/6/1995	<5	<5	56					<10	<5	<5							200	<5				
	12/15/1995	<2	<2	<2	15	<2				<2	<2							60	<2				
	3/1/1996	<5	<5	<5	5	<5				<10	<5	<5						21	<5				
	6/6/1996	<5	<5	<5	7	<5				<10	<5	<5						33	<5				
	9/19/1996	<1	<1	<1	23	<1	1.1	<10	<1	<5	<1	<1	<1	<1	<1	<1	<1	98	<1				
	12/18/1996	<2	<2	<2	30	<2	1.2	<20	<2	<10	<2	<2	<2	<20	<2	<2	<2	120	<2				
Dup	5/7/1997	<1	<1	<1	12	<1	<1	<10	<1	<5	<1	<1	<1	<10	<1	<1	<1	25	<1	<1	<1	<1	<1
	5/7/1997	<1	<1	<1	11	<1	<1	<10	<1	<5	<1	<1	<1	<10	<1	<1	<1	24	<1	<1	<1	<1	<1
WCC-3S	11/2/1987	110000	38000															54000	10000	80000			
	11/12/1987	1000	54000	86000														70000	11000	140000			
	7/13/1989	<500	56000	18000														<3000	7700	32000			
	8/23/1989	<1000	76000	56000														<5000	6000	56000			
	11/14/1991	400	6900	12000														7900	27000				
	6/17/1992	<5000	13000	25000														100000	13000	51000			
	9/23/1992	<500	7800	<500	22000	<500												82000	<500	12000	52000	<500	<500
	12/9/1992	<500	5600	<500	21000	<500												9000	4000	9000	44000	<500	<500
Dup	3/18/1993	650	21000	55	20000	100	<10	<50	240	<25	<25	120	650	6400	<50	44000	<10	8800	42000	<10	120	<25	
Dup	3/18/1993	510	22000	60	20000	95	<10	<50	260	<25	<25	110	640	670	<50	45000	<10	8800	42000	<10	110	<25	
Dup	6/6/1993	420	5900	<200	16000	<100	<100	<200	210	<100	<100	<100	520	480	<2000	<200	79000	<100	8600	37000	<100	<100	<100
Dup	8/25/1993	560	9500	52	20000	86	<10	<200	250	<10	<10	<10	700	710	660	<50	49000	<10	9700	40000	21	154	<10
	11/19/1993	690	19000	<200	26000	<200	<200	<4000	280	<200	<200	<200	1100	840	<4000	<1000	47000	<200	10000	50000	<200	<200	<200
	2/24/1994	310	9600	<400	15000	<200	<200	<4000	<200	<200	<200	<200	2500	360	<4000	<1000	15000	<200	2500	25000	<200	<200	<200
	6/13/1994	310	6200	<400	13000	<200	<200	<4000	<200	<200	<200	<200	4100	360	<4000	<1000	9900	<200	620	23000	<200	<600	<200
	9/9/1994	520	9000	<1000	23000	<500	<500	<10000	<500	<500	<500	<500	7700	600	<10000	<2500	6000	<500	43000	<500	<1500	<500	
	12/22/1994	440	6700	<400	20000	<200	<4000	200	<200	<200	<200	<200	6700	530	<4000	<1000	3400	<200	390	35000	<200	<400	<200
	3/14/1995	570	8700	<400	24000	<200	<4000	230	<200	<200	<200	<200	6200	670	<4000	<1000	4600	<200	2300	40000	<200	<400	<200
	6/13/1995	450	4600	<800	22000	<400	<4000	<8000	<400	<400	<400	<400	6300	500	<8000	<2000	6600	<400	1200	39000	<400	<400	<400
	9/7/1995	480	4100	64	13000	99	<5	39	220	<5	<5	76	6000	520	<200	23	4600	<5	910	31000	18	137	<5
	12/16/1995	350	3100	22	12000	41	<2	<2	130	<2	<2	45	4400	400	<2	<2	670	23000	8	42	<2		
	3/4/1996	230	1900	<50	8400	<50	<50	<100	100	<50	<50	<50	3200	280	<100	<50	200	480	15000	<50	<100	<50	
	9/19/1996	600	3500	<500	20000	<500	<5000	<5000	<500	<2500	<500	<500	6300	860	<5000	<500	<5000	<500	29000	<500	<500	<500	
	12/19/1996	360	2300	<250	16000	<250</td																	

**Table 5**  
**Summary of Historical Volatile Organic Compounds**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Sampled	1,1,-DCA	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	Isopropyl benzene	Acetone	Benzene	Carbon disulfide	Carbon tetrachloride	Chloroform	cis-1,2-DCE	trans-1,2-DCE	MEK (2-butanone)	Methylene chloride	MBK	PCE	TCE	Toluene	Ethyl Benzene	Xylenes (total)	Trichlorofluoromethane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
WCC-3S	Dup	5/8/1997	<250	520	6200	<250	<250	<250	<250	<1200	<250	<250	2000	<250	<2500	<2500	<250	<250	<250	9100	<250	<250	<250
		7/8/1997	<250	1100	<250	9200	<250	<250	<250	<1200	<250	<250	2900	260	<2500	<2500	<250	<250	400	14000	<250	<250	<250
		7/24/1997	350	1900	<250	14000	<250	<250	<250	<1200	<250	<250	4000	380	<2500	<2500	<250	<250	420	22000	<250	<250	<250
		8/6/1997	310	1500	<250	12000	<250	<250	<250	<1200	<250	<250	3900	350	<2500	<2500	<250	<250	250	16000	<250	<250	<250
		8/22/1997	410	2200	<250	16000	<250	<250	<250	<1200	<250	<250	4600	540	<2500	<2500	<250	<250	290	23000	<250	<250	<250
		9/5/1997	350	1600	<250	13000	<250	<250	<250	<1200	<250	<250	3700	390	<2500	<2500	<250	<250	250	18000	<250	<250	<250
		9/18/1997	300	1500	<250	12000	<250	<250	<250	<1200	<250	<250	3500	350	<2500	<2500	<250	<250	250	18000	<250	<250	<250
		9/18/1997	300	1600	<250	13000	<250	<250	<250	<1200	<250	<250	3600	360	<2500	<2500	<250	<250	260	18000	<250	<250	<250
		9/23/1998	870	4000	<250	33000	870	<250	390	<250	<250	<250	9400	980	<1250	<1250	<250	<250	59000	<250	<500	<250	
		10/22/1998	1100	4700	<250	41000	1100	<250	470	<250	<250	<250	11000	1300	<1250	<1250	<250	<250	490	68000	<500	<500	<250
		3/6/1999	500	1900	<250	20000	500	<250	<250	<250	<250	<250	4800	510	<1250	<1250	<250	<250	640	42000	<250	<500	<250
		7/16/1999	780	2700	<250	32000	780	<250	380	<250	<250	<250	8600	1000	<1250	<1250	<250	<250	810	54000	<500	<500	<250
		6/26/2000	630	2400	<125	25000	<125	380	<125	<125	<125	<125	7600	840	<625	<625	<125	<125	770	48000	<125	<250	<125
		2/3/2001	550	1100	<500	17000	100 J	<500	270 J	<500	<500	<500	4600	590	<2500	<2500	<500	<500	3100	<500	550	44000	<500
		7/19/2001	840	2200	<200	32000	<100	<200	390	<200	<100	<100	7900	960	<1000	<1000	<200	<200	6100	<200	140	73000	<200
		7/19/2001	820	2200	<200	34000	<100	<200	410	<200	<100	<100	7800	940	<1000	<1000	<200	<200	6400	<200	140	75000	<200
		3/25/2002	440J	670	<620	16000	<310	<620	<620	<620	<620	<620	310	<620	<620	<620	<620	<620	1400	43000	<620	<620	<1200
WCC-3D	Dup	11/14/1991	60	20																23	8		
		6/16/1992	<5	880	510														2	1			
		9/22/1992	<1	27	<1	21	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	5	3	<1	<1	
		12/7/1992	<1	130	<1	120	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	5	3	<1	<1	
		3/16/1993	6	2000	<2	950	<2	<2	<10	<2	<5	<5	<2	2	9	<10	<10	<5	50	6	<1	<1	
		3/16/1993	6	2000	<2	1000	<2	<2	<40	<2	<2	<2	<2	<2	<2	<2	<2	<4	6	<2	<2	<1	
		6/8/1993	<2	110	<4	110	<2	<2	<40	<2	<2	<2	<2	<2	<2	<2	<2	<4	20	<2	<2	<2	
		8/24/1993	<2	100	<4	120	<2	<2	<40	<2	<2	<2	<2	<2	<2	<2	<2	<4	20	<2	<2	<2	
		11/18/1993	<2	410	<4	610	<2	<2	<40	<2	<2	<2	<2	<2	<2	<2	<2	<4	20	<2	<2	<2	
		11/18/1993	<4	640	<8	840	<4	<4	<40	<4	<4	<4	<4	<4	<4	<4	<4	<40	23	8	<4	<4	
		2/23/1994	0.4	590	<8	420	<4	<4	<80	<4	<4	<4	<4	<4	<4	<4	<4	<80	25	13	<4	<4	
		2/23/1994	<4	530	370														23	12			
		6/13/1994	<10	1300	<20	720	<10	<10	<200	<10	<10	<10	<10	<10	<10	<10	<10	<200	96	<10	<30	<10	
		9/9/1994	<50	5600	<100	3700	<50	<50	<1000	<50	<50	<50	<50	<50	<1000	<250	<500	<50	490	<50	5100	<50	
		12/21/1994	10	6300	29	5200	<4	<4	<80	8.6	<4	<4	<4	15	22	<80	<20	<40	<4	540	5100	<4	<4
		3/14/1995	<40	4000	<80	3300	<40	<40	<400	<40	<40	<40	<40	<40	<40	<40	<40	<40	370	3200	<40	<40	<40
		3/14/1995	<20	3900	<40	3200	<20	<20	<400	<20	<20	<20	<20	<20	<20	<20	<20	<400	61	380	3400	<20	
		6/13/1995	<10	2100	<20	1800	<10	<10	<200	<10	<10	<10	<10	<10	<10	<10	<10	<200	10	200	1700	<10	
		9/7/1995	13	4100	35	3400	6	<5	<10	13	<5	<5	<5	60	30	<10	<5	170	<5	520	4700	<5	
		12/16/1995	<2	90	<2	111	<2	<2	<2	<2	<2	<2	<2	3	<2	<2	<2	<2	32	88	<2	<4	
		3/4/1996	<5	40	<5	53	<5	<5	<10	<5	<5	<5	<5	5	<5	<10	<5	<5	23	6	<5	<10	
		6/7/1996	<5	59	<5	84	<5	<5	<10	<5	<5	<5	<5	5	<5	<10	<5	<5	60	21	<5	<5	
		9/19/1996	<1	24	<1	52	<1	<1	<10	<1	<1	<1	<1	2.2	<1	<10	<1	<10	61	12	<1	<1	
		12/19/1996	1.3	67	<1	97	<1	<1	<11	<1	<1	<1	<1	5.4	<1	<10	<1	<10	42	20	<1	<1	
		5/8/1997	<1	11	<1	43	<1	<1	<10	<1	<1	<1	<1	1.7	<1	<10	<1	<10	63	2.7	<1	<1	
		7/8/1997	<1	15	<1	70	<1	<1	<10	<1	<1	<1	<1	2.3	<1	<10	<1	<10	87	14	<1	<1	
		7/8/1997	<1	5.9	<1	30	<1	<1	<10	<1	<1	<1	<1	1.1	<1	<10	<1	<10	45	6	<1	<1	
		7/24/1997	<1	7.9	<1	55	<1	<1	<10	<1	<1	<1	<1	2.1	<1	<10	<1	<10	79	12	<1	<1	
		8/6/1997	<1	8.8	<1	34	<1	<1	<10	<1	<1	<1	<1	2	<1	<10	<1	<10	58	17	<1	<1	
		8/6/1997	<1	6.6	<1	34	<1	<1	<10	<1	<1	<1	<1	2.2	<1	<10	<1	<10	56	17	<1	<1	
		8/22/1997	<1	21	<1	61	<1	<1	<10	<1	<1	<1	<1	1.9	<1	<10	<1	<10	70	21	<1	<1	
		8/22/1997	<1	22	<1	60	<1	<1	<10	<1	<1	<1	<1	1.8	<1	<10	<1	<10	72	22	<1	<1	
		9/5/1997	<1	15	<1	53	1.9	<1	<10	<1	<1	<1	<1	2	<1	<10	<1	<10	66	29	<1	<1	
		9/5/1997	<1	14	<1	48	<1	<1	<10	<1	<1	<1	<1	1.9	<1	<10	<1	<10	63	27	<1	<1	
		9/18/1997	<1	18	<1	35	<1	<1	<10	<1	<1	<1	<1</										

**Table 5**  
**Summary of Historical Volatile Organic Compounds**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Sampled	1,1,-DCA	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	Isopropyl benzene	Acetone	Benzene	Carbon disulfide	Carbon tetrachloride	Chloroform	cis-1,2-DCE	trans-1,2-DCE	MEK (2-butanone)	Methylene chloride	MBK	PCE	TCE	Toluene	Ethyl Benzene	Xylenes (total)	Trichlorofluoromethane	
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
WCC-4S	11/18/1991	20			1000					<150	<25				<50				<30	2200				
	6/17/1992	<25	<25		920					<10	<10				<50	20	<50	<10	1900	<10	<10	<10	<10	
	9/23/1992	<10	20	<10	1400	<10	<10	<50	<10	<10	<10	10	<10	<10	<50	50	<50	<10	1600	<10	<10	<10	<10	
	12/8/1992	<10	20	<10	1000	<10	<10	<50	<10	<10	<10	10	<10	<10	<50	50	<50	<10	1600	<10	<10	<10	<10	
	3/17/1993	8	14	<2	810	<2		<2	<10	6	<5	<5	5	8	5	<10	<10	<5	<2	1200	<2	<2	<5	<5
	6/8/1993	<10	12	<20	1300	<10	<10	<200	<10	<10	<10	<10	<10	<10	<10	<200	<40	<100	<10	1800	<10	<10	<10	<10
	8/25/1993	<10	<10	<20	1100	<10	<10	<200	<10	<10	<10	<10	<10	<10	<10	<200	<20	<100	<10	1400	<10	<10	<10	<10
	11/19/1993	17	8	<8	610	<4	<4	<80	4	<4	<4	<4	<4	6	5	<80	<20	<40	<4	700	9	<4	<4	<4
	2/24/1994	5.8	8.8	<8	1100	<4	<4	<80	6.4	<4	<4	5.1	8.7	7.2	<80	<20	<40	<4	980	<4	<4	<4	<4	
	6/14/1994	<4	5.1	<8	800	<4	<4	<80	<4	<4	<4	<4	<4	7.1	5.2	<80	<20	<40	<4	940	<4	<4	<12	<4
	9/9/1994	<20	<20	<40	1000	<20	<20	<400	<20	<20	<20	<20	<20	<20	<400	<100	<200	<20	1300	<20	<20	<60	<20	
	12/22/1994	<10	<10	<20	670	<10	<10	<200	<10	<10	<10	<10	<10	<10	<10	<200	<50	<100	<10	750	<10	<10	<20	<10
	3/14/1995	9.8	4.9		400					<4				4.9	<4	<80	<40	<40	<4	450	<4			
	3/14/1995																					<8	<4	
	6/13/1995	8.6	<6.6	<13	1100	<6.6	<6.6	<130	7.1	<6.6	<6.6	<6.6	7.9	<6.6	<130	<33	<66	<6.6	1100	<6.6	<6.6	<6.6	<6.6	
	9/7/1995	8.1	6.4	<5	910	<5	<5	<10	13	<5	<5	6.5	10	9.2	<10	<5	<10	<5	1200	<5	<5	<5	<5	
	12/15/1995	4	<2	<2	1100	<2	<2	<2	2	<2	<2	4	8	7	<10	<2	<2	<2	1200	<2	<2	<4	<2	
	3/4/1996	<5	<5	<5	710	<5	<5	<10	<5	<5	<5	<5	6	6	<10	<5	<10	<5	770	<5	<5	<5	<5	
	6/7/1996	<5	<5	<5	740	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	830	<5	<5	<5	<5	
	9/19/1996	<25	<25	<25	980	<25	<25	<25	<25	<25	<120	<25	<25	<25	<25	<25	<25	<25	960	<25	<25	<25	<25	
	12/18/1996	<25	<25	<25	780	<25	<25	<25	<25	<25	<120	<25	<25	<25	<25	<25	<25	<25	960	<25	<25	<25	<25	
	5/8/1997	<12	<12	<12	1000	<12	<12	<120	<12	<62	<12	<12	<12	<12	<12	<12	<12	<12	1100	<12	<12	<12	<12	
	7/8/1997	<25	<25	<25	1300	<25	<25	<25	<25	<25	<120	<25	<25	<25	<25	<25	<25	<25	1200	<25	<25	<25	<25	
	7/24/1997	<25	<25	<25	940	<25	<25	<25	<25	<25	<120	<25	<25	<25	<25	<25	<25	<25	1200	<25	<25	<25	<25	
	8/6/1997	<25	<25	<25	1000	<25	<25	<25	<25	<25	<120	<25	<25	<25	<25	<25	<25	<25	1000	<25	<25	<25	<25	
	8/22/1997	<25	<25	<25	1200	<25	<25	<25	<25	<25	<120	<25	<25	<25	<25	<25	<25	<25	1200	<25	<25	<25	<25	
	9/5/1997	<25	<25	<25	1100	<25	<25	<25	<25	<25	<120	<25	<25	<25	<25	<25	<25	<25	1000	<25	<25	<25	<25	
	9/17/1997	<25	<25	<25	960	<25	<25	<25	<25	<25	<120	<25	<25	<25	<25	<25	<25	<25	1100	<25	<25	<25	<25	
	9/28/1998	24	<2.5	18	890	24	<2.5	<2.5	<5	<5	<5	<5	5.4	12	8	<12.5	<5	<5	780	<5	<5	<5	<5	
	10/21/1998	19	<5	11	1100	19	<5	<5	<5	<5	<5	<5	6	11	11	<25	<5	<5	970	<5	<5	<5	<5	
	3/4/1999	<10	<10	<10	1700	<10	<10	<10	<10	<10	<10	<10	<10	15	<10	<10	<10	<10	1600	<10	<10	<10	<10	
	7/14/1999	<10	<10	<10	2100	<10	<10	<10	<10	<10	<10	<10	<10	12	19	<10	<10	<10	<10	1500	<10	<10	<10	<10
	6/21/2000	<10	<10	<10	1800	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	1300	<10	<10	<10	<10	
	1/24/2001	<50	<50	<50	2000	<25	<50	<50	<50	<50	<25	<50	<50	15J	<250	<50	<50	<50	1100	<50	<50	<50	<50	
	3/26/2002	<25	<25	<25	1600	<12	<25	<25	<25	<12	<25	<25	22J	15J	<120	<25	<25	<25	1000	12J	<25	<25	<25	
WCC-5S	11/30/1987	1		7																1				
	1/8/1988	10		4																				
Dup	7/13/1989	<1	12	3																				
	8/23/1989	<1	12	<1																				
	11/19/1991			20																				
	6/15/1992	<5	<5	28																				
	9/21/1992	<1	<1	<1	21	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	7	<5	<5	<5	
	12/7/1992	<1	<1	<1	21	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	5	<1	<1	<1	
	3/16/1993	<2	<2	<2	18	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	3	<1	<1	<1	
	6/7/1993	<2	<2	<2	22	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	4	<2	<2	<2	
	8/24/1993	<2	<2	<2	23	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	5	<2	<2	<2	
	11/18/1993	<2	<2	<2	21	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	4	<2	<2	<2	
	2/23/1994	<2	<2	<2	20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	4	<2	<2	<2	
	6/10/1994	<2	<2	<2	25	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	3.4	<2	<2	<2	
	9/8/1994	<2	<2	<2	18	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	3.3	<2	<2	<2	
	12/21/1994	<2	<2	<2	18	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	2.9	<2	<2	<2	
	3/13/1995	<2	<2	<2	14	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	2.6	<2	<2	<2	
	6/1/1995	<2	<2	<2	19	<2	<2	&lt																

**Table 5**  
**Summary of Historical Volatile Organic Compounds**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Sampled	1,1,-DCA	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	Isopropyl benzene	Acetone	Benzene	Carbon disulfide	Carbon tetrachloride	Chloroform	cis-1,2-DCE	trans-1,2-DCE	MEK (2-butanone)	Methylene chloride	MBK	PCE	TCE	Toluene	Ethyl Benzene	Xylenes (total)	Trichlorofluoromethane	
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
WCC-5S	8/20/1997	<1	<1	<1	12	<1	<10	<1	<5	<1	<1	<1	<1	<10	<1	<10	<1	2.1	<1	<1	<1	<1	<1	
	9/4/1997	<1	1.6	<1	19	<1	<1	<10	<1	<5	<1	<1	1.6	<1	<10	<1	32	33	<1	<1	<1	<1	<1	
	9/16/1997	<1	1.8	<1	19	<1	<1	<10	<1	<5	<1	<1	1.5	<1	<10	<1	40	38	<1	<1	<1	<1	<1	
	9/28/1998	<0.5	1.6	<0.5	17	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	4.5	<0.5	<0.5	<1	<1	<0.5		
	10/20/1998	<0.5	1.6	<0.5	17	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	3.7	<0.5	<0.5	<1	<1	<0.5		
	3/4/1999	<0.5	<0.5	<0.5	11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.1	<0.5	<0.5	<1	<1	<0.5		
	7/15/1999	<0.5	<0.5	<0.5	14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.3	<0.5	<0.5	<1	<1	<0.5		
	6/22/2000	<0.5	<0.5	<0.5	8.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.7	<0.5	<0.5	<1	<1	<0.5		
	1/23/2001	<1	<1	<1	5.4	<0.5	<1	<10	<1	<1	<0.5	<1	<1	<1	<5	<1	1.7	2.8	<1	<1	5.2 J			
	3/21/2002	<1	<1	<1	6.2	<0.5	<1	<10	<1	<1	<0.5	0.76J	<1	<1	<5	<1	0.42J	1.8	5.5	<1	<1	0.61J		
	09/16/02	<1	<1	<1	5.8	<0.5	<1	<10	<1	<1	<0.5	<1	<1	<1	<5	<1	0.34J	1.5	3	<1	<1	0.86J		
WCC-6S	10/6/1989	4	130	210			<1								<5		140	<1						
	11/16/1991	5000	5000	5800											21000	17000								
	6/17/1992	<500	2100	5400											6300	7600								
	9/23/1992	94	1300	96	5900	5	<1	78	67	<1	<1	20	200	170	3600	5	7500	<1	3100	10000	5	26	<1	
	12/9/1992	80	680	60	3700	<80	<50	<300	80	<50	<50	<50	200	100	3000	100	3400	<50	2700	5000	<50	<50	<50	
Dup	12/9/1992	<100	1400	100	5600	<0.11	<100	<600	<100	<100	<100	<100	200	200	5000	200	<500	<10	3200	10000	<10	<100	<100	
	3/17/1993	50	1200	<10	3200	<80	<12	<25	<50	40	<25	<25	15	<10	80	3800	<50	3900	<10	1400	10000	<10	20	<25
	6/8/1993	<100	1900	<200	5500	<0.13	<100	<2000	<100	<100	<100	<100	260	120	7800	<200	13000	<100	2100	21000	<100	<100	<100	
	8/25/1993	<100	2100	<200	5400	<0.14	<100	<2000	<100	<100	<100	<100	630	130	7600	<200	11000	<100	1900	19000	<100	<100	<100	
	11/19/1993	42	440	<20	2200	<0.15	<10	<200	24	<10	<10	<10	480	21	4400	<50	13000	<10	1600	20000	10	58	<10	
Dup	2/24/1994	91	2200	74	11000	<0.16	<10	230	52	<10	<10	<10	21	1400	140	4400	<50	1400	<10	1400	12000	<10	51	<50
	6/13/1994	87	1800	69	5800	<80	<10	<200	52	<10	<10	<10	18	1600	130	1400	<50	4400	<10	1400	12000	<10	51	<50
Dup	6/13/1994	<100	1500	<200	6300	<17	<10	<2000	<100	<10	<100	<100	1400	100	<2000	<500	5200	<100	1300	<13000	<100	<300	<100	
	12/22/1994	<200	1300	<400	9100	<200	<400	<200	<200	<200	<200	<200	2500	<200	<4000	<1000	4800	<200	1900	16000	<200	<400	<200	
	3/14/1995	36	200	<40	3000	26	<20	<400	25	<20	<20	<20	850	60	<400	<100	390	<20	930	2300	<20	<40	<20	
Dup	6/13/1995	130	810	60	9800	51	<20	<400	82	<20	<20	<20	28	180	<400	<100	450	<20	510	8400	<20	<20	<20	
	9/7/1995	55	370	1	4300	1	<5	<10	50	<5	<5	<5	14	2400	83	12	<5	240	<5	620	2900	<5	1	<5
Dup	9/7/1995	70	310	1	3800	1	<5	<10	56	<5	<5	<5	19	2200	99	11	<5	180	<5	520	2500	<5	1	<5
	12/16/1995	120	1400	76	11000	41	<2	<2	66	<2	<2	<2	28	2600	160	<2	<2	2000	4900	5	28	<2		
	3/4/1996	93	1600	61	8300	<50	<100	56	<50	<50	<50	<50	2000	140	340	<50	350	<50	2000	3900	<50	<100	<50	
	6/7/1996	88	1700	53	9300	39	<25	<50	54	<25	<25	<25	3000	120	960	<25	2400	<25	6500	<25	<25	<25		
Dup	9/19/1996	<250	890	<250	8800	<250	<250	<250	<250	<250	<250	<250	250	<250	<250	<250	<2500	<2500	<2500	2000	4000	<250	<250	
	9/19/1996	110	950	<100	8800	<100	<100	<1000	<100	<500	<100	<100	1800	160	<1000	<100	1000	<100	2200	4300	<100	<100	<100	
Dup	12/19/1996	<100	680	<100	7000	<100	<100	<1000	<100	<500	<100	<100	880	100	<1000	<100	1000	<100	2200	2600	<100	<100	<100	
	5/9/1997	<100	720	<100	6800	<100	<100	<1000	<100	<500	<100	<100	1100	<100	<1000	<100	1000	<100	1900	1800	<100	<100	<100	
Dup	5/9/1997	<100	740	<100	7000	<100	<100	<1000	<100	<500	<100	<100	1200	<100	<1000	<100	1000	<100	2000	1800	<100	<100	<100	
	7/8/1997	<100	410	<100	3600	<100	<100	<1000	<100	<500	<100	<100	540	<100	<1000	<100	1000	<100	950	2400	<100	<100	<100	
	7/24/1997	<100	320	<100	2700	<100	<100	<1000	<100	<500	<100	<100	510	<100	<1000	<100	1000	<100	820	1600	<100	<100	<100	
	8/6/1997	<100	630	<100	7700	<100	<100	<1000	<100	<500	<100	<100	1400	110	<1000	<100	1000	<100	2100	3100	<100	<100	<100	
	9/18/1997	<100	500	<100	5500	<100	<100	<1000	<100	<500	<100	<100	910	<100	<1000	<100	1000	<100	1600	1800	<100	<100	<100	
	9/23/1998	16	38	<12.5	2800	16	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	210	22	<62.5	<12.5	1500	<12.5	<12.5	<12.5	<12.5	<12.5		
	10/22/1998	20	19	<10	2800	20	<10	12	<10	<10	<10	<10	100	33	<50	<10	1700	<10	1400	<30				
	3/6/1999	110	300	<50	9500	110	<5	51	<50	<50	<50	<50	510	140	<250	<50	5000	760	<50	<100	<50	<50		
	7/16/1999	94	390	<50	7300	94	<50	<50	<50	<50	<50	<50	1000	130	<250	<50	3000	860	<50	<100	<50	<50		
	6/26/2000	76	1600	<25	5300	<25	43	<25	<25	<25	<25	<25	2000	91	<125	<25	1500	4700	<25	<50	<25	<25		
	1/22/2001	79 J	770	<100	4600	<50	<100	<100	<50	<100	<100	<100	1300	120	<500	<100	<100	1700	1200	<100	<100	<200		
	7/19/2001	74	540	14	5026	11	<5	<50	27	<5	<5	<5	14	990	110	<25	<5	1900	360	7.6	38	<10		
	3/7/200																							

**Table 5**  
**Summary of Historical Volatile Organic Compounds**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Sampled	1,1,-DCA	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	Isopropyl benzene	Acetone	Benzene	Carbon disulfide	Carbon tetrachloride	Chloroform	cis-1,2-DCE	trans-1,2-DCE	MEK (2-butanone)	Methylene chloride	MBK	PCE	TCE	Toluene	Ethyl Benzene	Xylenes (total)	Trichlorofluoromethane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
WCC-7S	Dup 6/13/1995	<2	<2	<4	98	<2	<40	<2	<2	<2	<2	<2	<2	<2	<40	<10	<20	<2	220	<2	<2	<4	<2
	9/7/1995	5	5	5	150	5	5	10	5	5	5	5	5	5	10	5	5	200	5	5	5	5	5
	12/15/1995	2	2	2	98	2	2	2	2	2	2	2	2	2	10	5	140	2	2	2	2	2	2
	3/1/1996	2	2	2	5	91	5	5	10	5	5	5	5	5	10	5	5	120	5	5	5	5	5
	6/7/1996	2	2	2	100	2	2	2	2	2	2	2	2	2	10	5	10	130	5	5	5	5	5
	9/19/1996	2	2	2	120	2	2	2	2	2	2	2	2	2	20	2	20	150	2	2	2	2	2
	12/18/1996	2	2	2	99	2	2	2	2	2	2	2	2	2	20	2	20	130	2	2	2	2	2
	5/8/1997	2.5	2.5	<2.5	120	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	25	2.5	2.5	140	2.5	2.5	2.5	2.5	2.5
	7/2/1997	2	2	2	130	2	2	2	2	2	2	2	2	2	20	2	20	150	2	2	2	2	2
	7/24/1997	2	2	2	67	2	2	2	2	2	2	2	2	2	20	2	20	130	8	2	2	2	2
	8/6/1997	2	2	2	130	2	2	2	2	2	2	2	2	2	20	2	20	160	18	2	2	2	2
	8/21/1997	2	2	2	120	2	2	2	2	2	2	2	2	2	20	2	20	140	2	2	2	2	2
	9/4/1997	3.1	2.5	<2.5	120	6.1	<2.5	<2.5	<2.5	<12	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	150	17	2.5	<2.5	<2.5	<2.5
	9/17/1997	2.5	2.5	<2.5	110	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	25	2.5	2.5	160	21	2.5	<2.5	<2.5	<2.5
	9/28/1998	1.4	<1.25	1.7	300	1.4	<1.25	<1.25	<1.25	<1.25	<1.25	<1.25	<1.25	<1.25	<6.25	<1.25	<1.25	250	<1.25	<1.25	<2.5	<2.5	<1.25
	10/21/1998	1	<1	2	300	1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	240	<1	<1	<1	<1	<1
	3/4/1999	<1	<1	<1	160	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	170	<1	<1	<1	<1	<1
	7/14/1999	<1	<1	<1	32	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	120	<1	<1	<1	<1	<1
	6/22/2000	1.1	<0.5	1.7	190	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	170	<0.5	<0.5	<0.5	<0.5	<0.5
	1/24/2001	<5	<5	<5	200	<2.5	<5	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	140	9	<5	<5	<5	<10
	3/25/2002	0.87J	<2	1.5J	120	<1	<2	<20	<2	<2	<1	<2	<2	<2	<10	<2	<2	100	0.72J	<2	<2	<2	<4
WCC-8S	7/13/1989	<5	160	430																			
	8/23/1989	<5	130	820																			
	11/15/1991	400	2600																				
	6/17/1992	<25	180	2200																			
	Dup 6/17/1992	<50	180	2300																			
	9/23/1992	<20	200	<20	2800	<20	<20	<20	<20	<20	<20	<20	<20	<20	<50	<50	<50	2400	<5				
	12/8/1992	<20	100	<20	2000	<20	<20	<20	<20	<20	<20	<20	<20	<20	<100	<100	<100	3100	<20	<20	<20	<20	<20
	3/17/1993	11	180	<2	1800	<2	<10	<10	<15	<5	<5	10	15	26	<10	<10	<5	1500	<2	<2	<2	<2	<2
	6/8/1993	<20	300	<40	3000	<20	<20	<20	<20	<20	<20	<20	<20	<20	<400	<100	<200	2000	<20	<20	<20	<20	<20
	8/25/1993	<20	330	<40	3100	<20	<20	<20	<20	<20	<20	<20	<20	<20	<400	<40	<200	2200	<20	<20	<20	<20	<20
	2/24/1994	<20	300	<40	3400	<20	<20	<20	<20	<20	<20	<20	<20	<20	<35	<100	<200	1200	<20	<20	<20	<20	<20
	6/13/1994	<40	290	<80	4000	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	2200	<40	<40	<40	<40	<40
	9/9/1994	<50	260	<100	4600	<50	<50	<1000	<50	<50	<50	<50	<50	<50	<50	<50	<50	3100	<50	<50	<50	<50	<50
	12/22/1994	<20	230	<40	4000	<20	<20	<20	<20	<20	<20	<20	<20	<20	<43	<100	<200	2100	<20	<20	<40	<20	<20
	3/14/1995	<40	220	<80	4500	<40	<40	<800	<40	<40	<40	<40	<40	<40	<40	<40	<40	2600	<40	<40	<40	<40	<40
	6/13/1995	<40	150	<80	4200	<40	<40	<800	<40	<40	<40	<40	<40	<40	<40	<40	<40	2400	<40	<40	<40	<40	<40
	9/7/1995	10	110	<5	2200	<5	<5	<10	22	<5	<5	9.2	15	28	<10	<5	<10	1700	<5	<5	<5	<5	<5
	12/15/1995	16	120	<2	4200	<2	<2	<2	10	<2	<2	18	40	<10	<2	<2	2300	<2	<2	<4	<2	<2	
	3/1/1996	<20	120	<20	3500	<20	<20	<20	<20	<20	<20	<20	<20	<20	<40	<20	<20	2100	<20	<20	<40	<20	<20
	6/7/1996	11	91	<5	3300	<5	<5	<10	<5	<5	<5	10	12	32	<10	<5	2000	<5	<5	<5	<5	<5	
	9/19/1996	<50	59	<50	3400	<50	<50	<50	<50	<50	<50	<50	<50	<50	<500	<500	<500	1900	<50	<50	<50	<50	<50
	11/19/1996	<20	330	<40	3300	<20	<20	<20	<20	<20	<20	<20	<20	<20	<100	<100	<200	2000	<20	<20	<20	<20	<20
	12/18/1996	<50	61	<50	3000	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	2000	<50	<50	<50	<50	<50
	5/8/1997	<50	<50	2600	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	1600	<50	<50	<50	<50	<50
	7/6/1997	<50	<50	3200	<50	<50	<500	<50	<50	<50	<50	<50	<50	<50	<50	<500	<500	1900	<50	<50	<50	<50	<50
	7/24/1997	<50	<50	2500	<50	<50	<500	<50	<50	<50	<50	<50	<50	<50	<50	<500	<500	1900	<50	<50	<50	<50	<50
	8/6/1997	<2.5	<2.5	130	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<25	<25	160	18	<2.5	<2.5	<2.5	<2.5	<2.5
	8/22/1997	<50	<50	2800	<50	<50	<500	<50	<50	<50	<50	<50	<50	<50	<50	<500	<500	1900	<50	<50	<50	<50	<50
	9/5/1997	<50	<50	2500	<50	<50	<500	<50	<50	<50	<50	<50	<50	<50	<500	<500	1600	<50	<50	<50	<50	<50	
	9/17/1997	<50	<50	2600	<50	<50	<500	<50	<50	<50	<50	<50	<50	<50	<500	<500	1800	<50	<50	<50	<50	<50	
WCC-9S	10/6/1989	<1	<1	<1																			

**Table 5**  
**Summary of Historical Volatile Organic Compounds**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Sampled	1,1,-DCA	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	Isopropyl benzene	Acetone	Benzene	Carbon disulfide	Carbon tetrachloride	Chloroform	cis-1,2-DCE	trans-1,2-DCE	MEK (2-butanone)	Methylene chloride	MIBK	PCE	TCE	Toluene	Ethyl Benzene	Xylenes (total)	Trichlorofluoromethane	
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
WCC-9S	9/8/1994	<2	<2	<4	<4	<2	<40	<2	<2	<2	4.1	2.7	<2	<40	<10	<20	<2	38	<2	<2	<2	<6	<2	
	12/21/1994	<2	<2	<4	<4	<2	<3	<40	<2	<2	3	3.1	<2	<40	<10	<20	<2	22	<2	<2	<4	<4	<2	
Dup	12/21/1994	<2	<2	<4	<4	<2	<3	<40	<2	<2	3.1	3.3	<2	<40	<10	<20	<2	26	<2	<2	<4	<4	<2	
	3/13/1995	<2	<2	<4	<4	<2	<3	<40	<2	<2	6.4	<2	<2	<40	<10	<20	<2	56	<2	<2	<2	<4	<2	
Dup	6/12/1995	<2	<2	<4	<4	<2	<3	<40	<2	<2	6	<2	<2	<40	<10	<20	<2	23	<2	<2	<2	<4	<2	
	9/6/1995	<5	<5	<5	<5	<11	<5	<5	<10	<5	19	<5	<5	<10	<5	<10	<5	64	<5	<5	<5	<5	<5	
	12/12/1995	<2	<2	<2	<2	4	<5	<2	<2	<2	4	3	<2	<5	<5	<10	<5	17	<5	<5	<5	<5	<5	
	2/29/1996	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10	<5	<10	<5	15	<5	<5	<5	<5	<5	
	6/6/1996	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10	<5	<10	<5	15	<5	<5	<5	<5	<5	
	9/18/1996	<1	<1	<1	2.2	<1	1.1	<10	<1	<1	<1	3.9	2.9	<1	<10	<1	<10	<1	17	<1	<1	<1	<1	
	12/21/1996	<1	<1	<1	2.8	<1	1.5	<10	<1	<1	<1	3.5	2.8	<1	<10	<1	<10	<1	18	<1	<1	<1	<1	
	5/7/1997	<1	<1	<1	2.4	<1	1	<10	<1	<1	<1	3.5	3	<1	<10	<1	<10	<1	16	<1	<1	<1	<1	
	7/2/1997	<1	<1	<1	4.4	<1	<1	<10	<1	<1	<1	1.9	6.7	<10	<1	<10	<1	29	<1	<1	<1	<1	<1	
	7/23/1997	<1	<1	<1	7.6	<1	<1	<10	<1	<1	<1	2	7.6	<10	<1	<10	<1	43	12	<1	<1	<1	<1	
Dup	8/5/1997	<1	<1	<1	9.9	<1	<1	<10	<1	<1	<1	8.2	2.6	<1	<10	<1	<10	<1	51	20	<1	<1	<1	
	8/20/1997	<1	<1	<1	3.5	<1	<1	<10	<1	<1	<1	1.3	<1	<10	<1	<10	<1	20	16	<1	<1	<1	<1	
	9/4/1997	<1	<1	<1	9.8	<1	<1	<10	<1	<1	<1	2.4	8.2	<10	<1	<10	<1	48	24	<1	<1	<1	<1	
Dup	9/16/1997	1.3	<1	<1	10	<1	<1	<10	<1	<1	<1	2.4	8.1	<10	<1	<10	<1	58	29	<1	<1	<1	<1	
	9/23/1998	<1	1.4	<1	11	<1	<1	<10	<1	<1	<1	8	2.4	<1	<10	<1	<10	<1	59	30	<1	<1	<1	
	10/21/1998	<0.5	<0.5	<0.5	14	<1	<0.5	<0.5	<0.5	<0.5	20	<0.5	<0.5	<5	<5	<5	<5	1	120	<0.5	<0.5	<0.5	<0.5	
	3/2/1999	<0.5	<0.5	<0.5	7.3	<1	<0.5	<0.5	<0.5	<0.5	14	<0.5	<0.5	<5	<5	<5	<5	44	<0.5	<0.5	<0.5	<0.5	<0.5	
	7/13/1999	<0.5	<0.5	<0.5	12	<1	<0.5	<0.5	<0.5	<0.5	24	2.2	<0.5	<5	<5	<5	<5	56	<0.5	<0.5	<0.5	<0.5	<0.5	
	6/20/2000	<0.5	<0.5	<0.5	14	<0.5	<0.5	<0.5	<0.5	<0.5	49	<0.5	<0.5	<5	<5	<5	<5	78	<0.5	<0.5	<0.5	<0.5	<0.5	
	1/19/2001	1.3	<1	<1	6.62	<0.5	<1	<10	<1	<1	6.8	<1	<1	<5	<5	<5	<5	73	8.7	<1	<1	<1	0.54J	
	3/22/2002	1.4	<1	<1	5.3	<0.5	<1	<10	<1	<1	24	3.1	<1	<5	<5	<5	<5	52	0.42J	<1	<1	<1	0.54J	
WCC-10S	7/13/1989	<1	<1	2				<1			3	<1	<1				<5	86	<1					
Dup	7/13/1989	<1	<1	1				<1			3	<1	<1				0.5	87	<1					
	8/23/1989	<1	<1	4				<1			4	<1	<1				5	81	<1					
	11/20/1991																	87						
Dup	6/16/1992	<5	<5	10															120	<5				
	9/21/1992	<1	<1	9															120	<1				
	12/8/1992	<1	<1	8															110	<1				
	3/16/1993	<2	<2	9															110	<1				
	6/7/1993	<2	<2	13															130	<2				
	8/25/1993	<2	<2	4															120	<2				
	11/19/1993	<2	<2	9															82	<2				
	2/23/1994	<2	<2	10															110	<2				
	6/10/1994	<2	<2	17															120	<2				
	9/8/1994	<2	<2	17															130	<6				
Dup	12/22/1994	<2	<2	14															99	<4				
	3/13/1995	<2	<2	19															120	<4				
Dup	3/13/1995	<2	<2	20															120	<2				
	6/12/1995	<2	<2	27															140	<2				
	9/6/1995	<2	<2	23															160	<2				
	12/16/1995	<2	<2	20															135	<2				
	3/1/1996	<2	<2	22															120	<2				
	6/6/1996	<2	<2	22															140	<2				
	9/19/1996	<2	<2	22															120	<2				
Dup	5/7/1997	<2.5	<2.5	29	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	2.5	<2	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	160	<2.5	<2.5	<2.5	<2.5	<2.5
	7/2/1997	<2	<2	25	<2	<2	<2	<2	<2	<2	10	<2	<2	<2	<2	<2	<2	<2	140	<2	<2	<2	<2	<2
	7/23/1997	<2	<2	26	<2	<2	<2	<2	<2	<2	10	<2	<2	<2	<2	<2	<2	<2	150	10	<2	<2	<2	<2
	8/5/1997	<2.5	<2.5	30	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	2.6	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	140	15	<2.5	<2.5	<2.5	<2.5
	8/21/1997	<2	<2	25	<2	<2	<2	<2	<2	<2	10	<2	<2	<2	<2	<2	<2	<2	120	<2	<2	<2	<2	<2
	9/4/1997	<2.5	<2.5	28	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	2.7	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	140	18	<2.5	<2.5	<2.5	<2.5
	9/17/1997	<2.5	<2.5	29	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	150	23	<2.5	<2.5	<2.5	<2.5
	3/2/1999	<0.5	<0.5	29	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.92	2.5	0.92	<0.5	<2.5	<2.5	<2.5	<2.5	150	<0.5	<0.5	<1	<0.5	<0.5
	4/8/1999	<0.5	<0.5	1.2	190	<1	<1	<1	<1	<1	1.3	2.8	<0.5	<0.5	<2.5	<2.5	<2.5	<2.5	160	<0.5	<0.5	<1	&	

**Table 5**  
**Summary of Historical Volatile Organic Compounds**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Sampled	1,1,-DCA	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	Isopropyl benzene	Acetone	Benzene	Carbon disulfide	Carbon tetrachloride	Chloroform	cis-1,2-DCE	trans-1,2-DCE	MEK (2-butanone)	Methylene chloride	MBK	PCE	TCE	Toluene	Ethyl Benzene	Xylenes (total)	Trichlorofluoromethane	
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
WCC-10S	1/18/2001	<2.5	<2.5	<2.5	24	<1.2	<2.5	<2.5	<2.5	<2.5	<1.2	1.5	<2.5	<2.5	<12	<2.5	<12	<2.5	94	<2.5	<2.5	<2.5	<5	
WCC-11S	11/15/1991	5	5	10	21																			
	6/16/1992	1	1	1	17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	12/8/1992	1	1	1	13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3/16/1993	2	2	2	25	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	6/7/1993	2	2	2	16	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	8/24/1993	2	2	2	14	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	11/19/1993	2	2	2	14	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Dup	11/19/1993	2	2	2	14	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	2/23/1994	2	2	2	16	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	6/10/1994	2	2	2	16	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Dup	9/8/1994	2	2	2	20	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	12/21/1994	2	2	2	19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	3/13/1995	5.7	4	26	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
	6/12/1995	2	2	2	22	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Dup	9/6/1995	5	5	31	5	5	10	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	12/15/1995	2	2	2	34	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Dup	3/1/1996	5	5	30	5	5	10	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	6/6/1996	5	5	28	5	5	10	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	9/19/1996	5	5	29	5	5	10	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	12/8/1996	2	2	28	2	2	20	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Dup	5/8/1997	2.5	2.5	33	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	7/2/1997	2	2	29	2	2	20	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	7/24/1997	2.5	2.5	31	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	8/5/1997	2.5	2.5	33	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	8/21/1997	2.5	2.5	30	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Dup	9/4/1997	2.5	2.5	29	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	9/17/1997	2.5	2.5	28	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	9/28/1998	1	21	1	51	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10/21/1998	1	1	1	35	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3/4/1999	0.5	0.5	22	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	7/14/1999	0.5	0.5	38	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	6/22/2000	0.5	0.5	24	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	1/23/2001	0.45J	1	13	0.5	1	10	1	1	1	1	0.5	0.22	9	0.32 J	1	1	1	1	64	2.3	1	1	1
	3/22/2002	0.38J	1	1	16	0.5	1	10	1	1	0.5	1	14	1	1	1	1	1	72	6	1	1	1	1
WCC-12S	11/15/1991	17	300	250	260	1	10	5	5	5	5	3	3	5	5	5	5	7	500	600	710	5	5	5
Dup	6/16/1992	5	5	1	1	1	10	5	5	5	5	5	5	5	5	5	5	20	550	550	550	5	5	5
	9/22/1992	7	1	130	1	1	30	5	5	5	5	5	5	5	5	5	5	30	410	410	410	9	9	9
	12/8/1992	5	5	160	5	5	30	5	5	5	5	5	5	5	5	5	5	8	390	390	390	4	4	4
	3/17/1993	7	2	100	2	2	100	4	80	4	4	4	4	4	4	4	4	4	370	370	370	370	370	370
	6/7/1993	2	2	130	2	2	44	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	8/25/1993	9	2	45	100	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Dup	11/19/1993	9	2	45	89	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	12/24/1994	7.7	2	77	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	6/13/1994	15	2	84	97	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	9/9/1994	2	2	44	52	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	12/22/1994	17	2	52	53	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	3/14/1995	18	2	53	72	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	6/12/1995	28	2	72	32	5	5	5	5	5	5	5	5	5	5	5	5	5	330	330	330	330	330	330
	9/6/1995	32	5	60	60	5	10	5	5	5	5	5	5	5	5	5	5	10	300	300	300	300	300	300
	12/15/1995	10	2	44	44	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Dup	3/1/1996	13	5	47	47	5	10	5	5	5	5	5	5	5	5	5	5	5	140	140	140	140	140	140
	6/7/1996	12	5	37	48	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	9/19/1996	15	2	43	43	2	2	2	2	2	2	2	2	2	2	2	2	2	150	150	150	150	150	150
	12/18/1996	16	2	47	47	2	2	2	2	2	2	2	2	2	2	2	2	2	150	150	150	150	150	150
	5/8/1997	16	2	38	28	2	2	2	2	2	2	2	2	2	2	2	2	2	130	130	130	130	130	130
	7/2/1997	14	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

**Table 5**  
**Summary of Historical Volatile Organic Compounds**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Sampled	1,1,-DCA	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	Isopropyl benzene	Acetone	Benzene	Carbon disulfide	Carbon tetrachloride	Chloroform	cis-1,2-DCE	trans-1,2-DCE	MEK (2-butanone)	Methylene chloride	MIBK	PCE	TCE	Toluene	Ethyl Benzene	Xylenes (total)	Trichlorofluoromethane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
WCC-12S	Dup 7/2/1997	14	<2	<2	38	<2	<2	<20	<2	<10	<2	<2	2.4	<2	<20	<2	130	<2	<2	<2	<2	<2	<2
	7/23/1997	14	<2	<2	34	<2	<2	<20	<2	<10	<2	<2	2.2	<2	<20	<2	140	9.2	<2	<2	<2	<2	<2
	8/6/1997	14	<2	<2	42	<2	<2	<20	<2	<10	<2	<2	2.8	<2	<20	<2	140	20	<2	<2	<2	<2	<2
	8/21/1997	13	<2	<2.5	39	<2.5	<2.5	<25	<2	<12	<2.5	2	2.4	<2	<20	<2.5	120	<2	<2.5	<2.5	<2.5	<2.5	<2.5
	9/4/1997	16	<2.5	<2.5	37	88	<2.5	<25	<2.5	<12	<2.5	<2.5	2.9	<2.5	<25	2.7	130	20	<2.5	<2.5	<2.5	<2.5	<2.5
	9/17/1997	13	<2.5	<2.5	40	13	<2.5	<25	<2.5	<12	<2.5	<2.5	3	<2.5	<25	<2.5	150	27	<2.5	<2.5	<2.5	<2.5	<2.5
	Dup 9/17/1997	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<25	<2	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	600	<2.5	<2.5	<2.5	<2.5	<2.5
	9/23/1998	130	<2.5	<2.5	120	130	<2.5	<2.5	<2.5	<2.5	10	3.8	<2.5	<25	<12.5	<25	3.2	600	<2.5	<2.5	<2.5	<2.5	<2.5
	Dup 9/23/1998	11	<2.5	<2.5	34	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	120	23	<2.5	<2.5	<2.5	<2.5	<2.5
	10/21/1998	110	<2.5	<2.5	120	110	<2.5	<2.5	<2.5	<2.5	9	3	<2.5	<2.5	<12.5	<25	3	530	<2.5	<2.5	<2.5	<2.5	<2.5
Dup	3/2/1999	19	<0.5	<0.5	46	19	<0.5	<0.5	<0.5	<0.5	1.9	2.5	<0.5	<0.5	<2.5	<0.5	0.75	140	<0.5	<0.5	<1	<0.5	<0.5
	7/13/1999	20	<0.5	<0.5	49	20	<0.5	<0.5	<0.5	<0.5	1.9	3	<0.5	<0.5	<2.5	<0.5	0.63	130	<0.5	<0.5	<1	<0.5	<0.5
	6/21/2000	24	<0.5	<0.5	47	<0.5	<0.5	<0.5	<0.5	<0.5	2.8	1.9	<0.5	<0.5	<2.5	<0.5	1	160	<0.5	<0.5	<1	<0.5	<0.5
	1/22/2001	18	<2.5	<2.5	40	<1.2	<2.5	<2.5	<2.5	<1.2	2	14 J	<2.5	<12	<2.5	<2.5	<12	<2.5	130	4.9	<2.5	<2.5	<2.5
	3/25/2002	19	<2	<2	45	<1	<2	<20	<2	<2	<1	1.9J	8.7	<2	<10	<2	1.2J	140	1.8J	<2	<2	<2	<4
	DAC-P1	10/9/1989	<200	<200	<200	<200	<200	<200	<200	<200	85	<200	<200	<1000	<1000	<1000	17000	<200	21000	<5	<1	<1	1
	6/17/1992	<5	<5	<5	<5	<5	<1	<30	<5	10	13	<5	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	6/23/1992	<1	<1	9	4	<1	<1	<5	5	4	54	71	1	<5	4	<5	13	28000	<1	<1	<1	<1	<1
	6/23/1992	<1	<0.5	9	4	<1	<1	<5	5	4	51	70	2	<5	4	<5	13	28000	<1	<1	<1	<1	<1
	12/9/1992	<500	<500	<500	<300	<500	<500	<3000	<500	<500	<500	<500	<500	<3000	2000	<3000	<500	29000	<500	<500	<500	<500	<500
Dup	3/18/1993	<2	44	5	21	<2	<2	<10	5	<5	44	68	2	<10	7	10	21000	260	<2	<2	<2	<5	<5
	6/9/1993	<100	<100	<200	<200	<100	<100	<2000	<100	<100	<100	<100	<100	<2000	<200	<200	<200	27000	300	<200	<200	<200	<200
	8/25/1993	<200	<200	<400	<400	<200	<200	<4000	<200	<200	<200	<200	<200	<4000	<200	<200	<200	28000	130	<100	<100	<100	<100
	11/19/1993	<20	<20	<40	<40	<20	<20	<400	<20	<20	<20	<20	<20	<400	<200	<200	<200	24000	<20	<20	<20	<20	<20
	2/24/1994	<20	<20	<40	<40	<20	<20	<400	<20	<20	<20	<20	<20	<400	<200	<200	<200	20000	<20	<20	<20	<20	<20
	6/13/1994	<20	<20	<40	<40	<20	<20	<400	<20	<20	<20	<20	<20	<400	<200	<200	<200	20000	<20	<20	<20	<20	<20
	9/9/1994	<200	<200	<400	<400	<200	<200	<4000	<200	<200	<200	<200	<200	<4000	<200	<200	<200	18000	<200	<200	<200	<200	<200
	12/22/1994	<200	<200	<400	<400	<200	<200	<4000	<200	<200	<200	<200	<200	<4000	<200	<200	<200	11000	<200	<200	<200	<200	<200
	3/14/1995	<200	<200	<400	<400	<200	<200	<4000	<200	<200	<200	<200	<200	<4000	<200	<200	<200	21000	<200	<200	<200	<200	<200
	6/13/1995	<200	<200	<400	<400	<200	<200	<4000	<200	<200	<200	<200	<200	<4000	<200	<200	<200	18000	<200	<200	<200	<200	<200
Dup	9/7/1995	<5	<5	<5	12	<5	<5	<10	5	<5	33	89	<5	<10	<5	<10	17	13000	53	<5	<5	<5	<5
	12/16/1995	2	38	4	120	<2	<2	<2	5	<2	45	130	5	<2	<2	11	20000	680	<2	<4	<2	<2	<2
	3/4/1996	<100	<100	100	100	<100	<100	<200	<100	<100	<100	<100	<100	<200	<100	<100	<100	100000	<200	<100	<100	<100	<100
	6/7/1996	<50	<50	<50	190	<50	<50	<100	<50	<50	50	95	<50	<100	<50	<50	13000	490	<50	<50	<50	<50	<50
	6/7/1996	<25	45	<25	180	<25	<25	<50	<25	<25	29	95	<25	<50	<25	<25	12000	490	<25	<25	<25	<25	<25
	9/19/1996	<250	<250	<250	350	<250	<250	<2500	<250	<250	<1200	<250	<250	<250	<250	<250	2500	1500	740	<250	<250	<250	<250
	12/19/1996	<500	<500	<500	500	<500	<500	<5000	<500	<500	<500	<500	<500	<5000	<500	<500	<500	5000	610	<500	<500	<500	<500
	5/9/1997	<250	<250	<250	250	<250	<250	<2500	<250	<250	<1200	<250	<250	<250	<250	<250	2500	1500	250	<250	<250	<250	<250
	7/8/1997	<250	<250	<250	250	<250	<250	<2500	<250	<250	<1200	<250	<250	<250	<250	<250	2500	13000	450	<250	<250	<250	<250
	7/24/1997	<50	<50	<50	50	<50	<50	<500	<50	<50	50	50	<50	<50	<50	<50	3200	110	<50	<50	<50	<50	<50
Dup	8/6/1997	<250	<250	<250	250	<250	<250	<2500	<250	<250	<1200	<250	<250	<250	<250	<250	2500	15000	460	<250	<250	<250	<250
	8/22/1997	<250	<250	<250	470	<250	<250	<2500	<250	<250	<1200	<250	<250	<250	<250	<250	2500	17000	1300	<250	<250	<250	<250
	9/5/1997	<250	<250	<250	270	<250	<250	<2500	<250	<250	<1200	<250	<250	<250	<250	<250	2500	15000	810	<250	<250	<250	<250
	9/18/1997	<250	<250	<250	290	<250	<250	<2500	<250	<250	<1200	<250	<250	<250	<250	<250	2500	14000	540	<250	<250	<250	<250
	4/8/1999	<50	<50	<50	50	<50	<50	<50	<50	<50	69	89	<50	<50	<50	<50</td							

**Table 5**  
**Summary of Historical Volatile Organic Compounds**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Sampled	1,1,-DCA	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	Isopropyl benzene	Acetone	Benzene	Carbon disulfide	Carbon tetrachloride	Chloroform	cis-1,2-DCE	trans-1,2-DCE	MEK (2-butanone)	Methylene chloride	MBK	PCE	TCE	Toluene	Ethyl Benzene	Xylenes (total)	Trichlorofluoromethane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
TMW-2	7/16/1999	1900	2700	<125	43000	1900	<125	<125	<125	280	1000	930	670	<125	32000	<125	<125	<250	<125	<125	<250	<125	
	6/26/2000	1400	1900	<100	28000	<100	<100	<100	<100	230	850	580	<500	<100	26000	480	<100	<200	<100	<200	<100	<200	
	2/3/2001	1400	960	<250	24000	74 J	<250	<250	<250	<120	170	1000	51 J	<1200	<250	21000	960	<250	<250	<500	<250	<500	
	7/18/2001	1400	1100	53	30000	93	<100	<1000	56	<100	50	170	4300	590	75000	34	760	<100	20000	2600	<100	<100	<200
	3/26/2002	1200	650	<250	20000	<120	<250	<250	<250	<120	110J	7600	420	<1200	<250	11000	1700	<250	<250	<500	<250	<500	
	09/19/02	2200	1400	61J	27000	230	<100	<1000	66J	<100	240	14000	770	140000	38J	1300	<100	8400	5200	<100	<100	<100	<200
TMW-3	7/31/1998	<50	<50	<50	200	<50	<50	<50	<50	<50	<50	<50	<50	<50	<250	<50	8100	<50	<50	<100	<50	<50	
	9/22/1998	<100	<100	<100	150	<100	<100	<100	<100	<100	<100	<100	<100	<100	<500	<100	12000	<100	<100	<200	<100	<100	
	10/20/1998	<50	<50	<50	330	<50	<50	<50	<50	<50	<50	<50	<50	<50	<250	<50	9900	<50	<50	<100	<50	<50	
	3/5/1999	<50	<50	<50	210	<50	<50	<50	<50	<50	<50	<50	<50	<50	<250	<50	8200	<50	<50	<100	<50	<50	
	7/15/1999	<50	<50	<50	340	<50	<50	<50	<50	<50	<50	<50	<50	<50	<250	<50	7800	<50	<50	<100	<50	<50	
	6/22/2000	<10	<10	<10	96	<10	<10	<10	<10	<10	<10	<10	<10	<10	<250	<10	3500	<10	<10	<20	<10	<10	
	1/29/2001	<50	<50	<50	76	<25	<50	<50	<50	<25	<50	<50	<50	<50	<250	<50	2200	20 J	<50	<50	<100	<50	
	7/19/2001	22	<50	24	350	<25	<50	<50	<50	<25	<50	<50	<50	<50	<250	<50	8800	20	<50	<50	<100	<50	
TMW-4	3/26/2002	15J	<50	<50	140	<25	<50	<50	<50	<25	<50	<50	<50	<50	<250	<50	4000	<50	<50	<50	<50	<100	
	09/18/02	19	8.5J	10	160	<5	<10	<10	<10	<5	9.9J	30	<10	<50	<10	4500	<10	<10	<10	<10	<10	<20	
	7/14/1998	55	<25	43	1500	<25	<25	<25	<25	110	66	<125	<25	2300	<25	<25	<25	<50	<25	<25	<25	<25	
	9/22/1998	47	19	28	1800	47	<10	<10	<10	21	83	58	<50	<10	2600	<10	<10	<20	<10	<10	<20	<10	
	10/20/1998	56	22	29	2400	56	<10	10	<50	20	96	73	<50	<10	2900	<10	<10	<20	<10	<10	<20	<10	
	3/4/1999	<50	<50	<50	2000	<50	<50	<50	<50	64	54	<250	<50	2900	<50	<50	<100	<50	<100	<50	<100		
	7/15/1999	42	10	10	2500	23	<10	<10	<10	30	77	64	<10	<10	2500	<10	<10	<20	<10	<10	<20	<10	
	6/22/2000	22	<5	<5	890	15	<5	<5	<5	17	39	27	<25	<5	1700	<5	<5	<10	<5	<10	<25	<5	
TMW-5	1/29/2001	19 J	<50	<50	1100	12 J	<50	<50	<50	14	29 J	21 J	<250	<50	2500	<50	<50	<50	<50	<50	<100	<50	
	7/17/2001	12	<5	6.1	850	7.1	<5	<50	<50	12	22	15	<25	<5	1800	4.9	<5	<5	<5	<10	<5	<10	
	3/26/2002	18J	<25	<25	720	10J	<25	<25	<25	12	11J	36	21J	<120	<25	1900	<25	<25	<25	<25	<50	<100	
	09/18/02	12	<5	4.4J	660	7.6	<5	<5	<5	11	18	13	<25	<5	1700	<5	<5	<5	<5	<5	<25	<5	
	7/14/1998	<25	<25	<25	460	<25	<25	<25	<25	25	0.25	<25	<25	<25	<125	<25	3700	<25	<25	<25	<50	<25	
	9/22/1998	<12.5	<12.5	<12.5	470	<12.5	<12.5	<12.5	<12.5	24	12.5	<12.5	<62.5	<12.5	3500	<12.5	<12.5	<12.5	<25	<12.5	<25	<12.5	
	10/19/1998	<25	<25	<25	530	<25	<25	<25	<25	28	25	<25	<125	<25	5000	<25	<25	<25	<50	<25	<25	<25	
	3/4/1999	<50	<50	<50	500	<50	<50	<50	<50	4500	50	<50	<250	<50	<50	<50	<50	<50	<50	<50	<50	<50	
TMW-6	7/14/1998	<2.5	<2.5	<2.5	26	<2.5	<2.5	<2.5	<2.5	550	3.4	<2.5	<12.5	<2.5	<2.5	<2.5	<2.5	4300	<2.5	<2.5	<2.5	<2.5	
	9/22/1998	<2.5	<2.5	<2.5	11	<2.5	<2.5	<2.5	<2.5	630	2.5	<2.5	<12.5	<2.5	<2.5	<2.5	<2.5	240	<2.5	<2.5	<2.5	<2.5	
	10/19/1998	<2.5	<2.5	<2.5	11	<2.5	<2.5	<2.5	<2.5	500	2.5	<2.5	<12.5	<2.5	<2.5	<2.5	<2.5	210	<2.5	<2.5	<2.5	<2.5	
	3/4/1999	<2.5	<2.5	<2.5	8.4	<2.5	<2.5	<2.5	<2.5	630	2.5	<2.5	<12.5	<2.5	<2.5	<2.5	<2.5	170	<2.5	<2.5	<2.5	<2.5	
	6/22/2000	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	100	<2.5	<2.5	13	<12.5	13	<2.5	<2.5	540	<2.5	<2.5	<5.1	<2.5	
	1/29/2001	<5	<5	<5	7	<2.5	<5	<5	<5	270	<5	<5	<25	<5	<5	<25	<5	81	14	<5	<5	<10	
	7/17/2001	0.23	<1	<1	4.1	<0.5	<1	<1	<1	15	<50	<50	<250	<50	<50	<250	<50	2900	<50	<50	<50	<100	
	3/26/2002	<2	<2	<2	6.3	<1	<2	<2	<2	130	1.6J	<2	<10	<5	<10	<5	4700	20	<10	<10	<20	<10	
TMW-7	09/18/02	0.36J	<1	<1	3.4	<0.5	<1	<1	<1	180	<1	<1	<5	<5	<25	<1	53	<1	<1	<1	<1	<2	
	7/14/1998	73	20	29	3000	73	<12.5	40	<12.5	26	120	83	<62.5	<12.5	3500	<12.5	<12.5	<12.5	<25	<12.5	<12.5		
	9/22/1998	36	<12.5	17	1700	36	<12.5	19	<12.5	13	70	48	<62.5	<12.5	2700	<12.5	<12.5	<12.5	<25	<12.5	<12.5		
	10/20/1998	44	<10	17	2400	44	<10	23	<10	14	89	65	<50	<10	3000	<10	<10	<20	<10	<10	<20		
	3/5/1999	41	<12.5	14	2200	41	<12.5	16	<12.5	13	75	54	<62.5	<12.5	2900	<12.5	<12.5	<12.5	<25	<12.5	<12.5		
	7/15/1999	36	<12.5	2100	36	<12.5	13	<12.5	13	69	57	110	<12.5	2500	<12.5	<12.5	<12.5	<25	<12.5	<12.5			
	6/23/2000	<10	<10	<10	850	<10	<10	<10	<10	34	24	<50	<10	2000	<10	<10	<20	<10	<10	<20			
	1/22/2001	14 J	<25	<25	640	<12	<25	<25	<25	12	5.5	26	17 J	<120	<25	<120	<25	1700	17 J	<25	<25	<50	
TMW-8	7/18/2001	10	<5	4.8	560	5.2	<5	<5	<5	<2.5	4.3	21	12	<25	<5	1800	5.6	<5	<5	<10	<10		
	3/26/2002	7.5J	<25	<25	200	<12	<25	<25	<25	12	<25	21J	<25	<120	<2								

**Table 5**  
**Summary of Historical Volatile Organic Compounds**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Sampled	1,1,-DCA	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	Isopropyl benzene	Acetone	Benzene	Carbon disulfide	Carbon tetrachloride	Chloroform	cis-1,2-DCE	trans-1,2-DCE	MEK (2-butanone)	Methylene chloride	MIBK	PCE	TCE	Toluene	Ethyl Benzene	Xylenes (total)	Trichlorofluoromethane	
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
TMW-9	7/14/1998	<1	<1	<1	24	<1	<1	<1	<1	<1	2.9	<1	<5	<5	2.1	290	<1	<1	<2	<1	<1	<1	<1	
	9/22/1998	<1	<1	<1	14	<1	<1	<1	<1	<1	2	<1	<1	<1	2.3	250	<1	<1	<1	<1	<1	<1	<1	
	10/19/1998	<2.5	<2.5	<2.5	51	<2.5	<2.5	<2.5	<2.5	<2.5	2.5	<2.5	<2.5	<2.5	3.5	420	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
	3/4/1999	<5	<5	<5	110	<5	<5	<5	<5	<5	5	<5	<5	<5	25	760	<5	<5	<10	<5	<5	<5	<5	
	7/14/1999	<5	<5	<5	290	<5	<5	<5	<5	<5	5	<5	<5	<5	25	1200	<5	<5	<10	<5	<5	<5	<5	
	6/23/2000	<5	<5	<5	220	<5	<5	<5	<5	<5	5	<5	<5	<5	25	1000	<5	<5	<10	<5	<5	<5	<5	
	1/29/2001	<12	<12	<12	170	<6.2	<12	<12	<12	<6.2	12	<12	<12	<6.2	<12	<12	<12	12	850	19	<12	<12	<25	
	3/26/2002	<5	<5	<5	35	<2.5	<5	<5	<5	<2.5	9	<5	<5	<5	260	<5	<5	<5	<5	<5	<5	<5	<10	
TMW-10	3/3/1999	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	4.2	<0.5	<0.5	<0.5	0.94	3.6	<0.5	<0.5	<1	0.51	<1	<1	<1	
	7/13/1999	<0.5	<0.5	<0.5	0.58	<0.5	<0.5	<0.5	<0.5	<0.5	4.9	<0.5	<0.5	<0.5	1.3	4.4	<0.5	<0.5	<1	0.82	<1	<1	<1	
	6/20/2000	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	4.7	<0.5	<0.5	<0.5	1	4.1	<0.5	<0.5	<1	<0.5	<1	<1	<0.5	
	1/19/2001	<12	<12	<12	12.5	<6.2	<12	<12	<12	<6.2	3.3	<12	<12	<6.2	<12	<62	<12	650	13	<12	<12	<25	<25	
	5/10/2001	<1	1.7	<1	<1	<0.5	0.22 J	5.7 J	<1	<1	0.5	2.7	<1	<1	110 E	0.94 J	3.6	<1	<1	<1	<1	1.2 J	<1	
	7/18/2001	<1	<1	<1	<1	<0.5	<1	<10	<1	<1	0.5	2.3	<1	<1	0.96	<5	0.83	3.6	<1	<1	<1	<1	1.1	
	3/21/2002	<1	<1	<1	<1	<0.5	<1	<10	<1	<1	0.5	3	<1	<1	0.88J	3.7	5.5	<1	<1	<1	<1	1.2 J	<1	
	09/16/02	<1	<1	<1	<1	<0.5	<1	<10	<1	<1	0.5	2.9	<1	<1	<1	0.82J	3.8	2.2	<1	<1	<1	<1	1.5 J	<1
TMW-11	3/3/1999	<1.25	<1.25	<1.25	1.25	<1.25	99	<1.25	<1.25	<1.25	1.7	430	<1.25	<1.25	<1.25	1.9	21	<1.25	<1.25	<1.25	<1.25	<1.25	<1.25	
	7/13/1999	<1.25	<1.25	<1.25	1.5	<1.25	<1.25	<1.25	<1.25	<1.25	1.7	450	<1.25	<1.25	<1.25	1.7	23	<1.25	<1.25	<1.25	<1.25	<1.25	<1.25	
	6/20/2000	<2.5	<2.5	<2.5	2.5	<2.5	<2.5	<2.5	<2.5	<2.5	740	<2.5	<2.5	<2.5	13	<2.5	47	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
	1/24/2001	<10	<10	<10	<10	<5	<10	<100	<10	<10	5	720	<10	<10	<10	<50	<10	21	13	<10	<10	<20	<20	
	7/17/2001	<2	<2	<2	<2	<2	<1	<2	<2	<2	2	430	<2	<2	<2	0.75	<10	2.5	11	4.9	<2	<4	<4	
	3/22/2002	<5	<5	<5	<5	<5	<5	<50	<5	<5	3.3	340	<5	<5	<5	5.7	7	<5	<5	<5	<5	<5	<10	
	09/17/02	<1	<1	<1	<1	<0.5	<1	<10	<1	<1	3.4	330	<1	<1	<1	4.3	5.2	<1	<1	<1	<1	<1	<2	
TMW-12	3/3/1999	<10	<10	<10	20	<10	<10	<10	<10	<10	3100	<10	<10	<10	15	700	<10	<10	<20	<10	<10	<10	<10	
	7/13/1999	<10	<10	<10	32	<10	<10	<10	<10	<10	2800	<10	<10	<10	10	760	<10	<10	<20	<10	<10	<10	<10	
	6/21/2000	<10	<10	<10	25	<10	<10	<10	<10	<10	2100	<10	<10	<10	13	440	<10	<10	<20	<10	<10	<10	<10	
	1/22/2001	<25	<25	<25	18	<12	<25	<250	<25	<25	1500	<25	<25	<25	120	<25	25	310	<25	<25	<25	<50	<50	
	7/17/2001	<5	<5	<5	16	<2.5	<5	<50	<5	<5	2.9	1400	<5	<5	<5	2	72	<1	<1	<1	<1	<1	<1	
	3/25/2002	<20	<20	<20	14J	<10	<20	<200	<20	<20	1200	<20	<20	<20	10	150	17J	<20	<20	<40	<20	<20	<10	
	09/18/02	<5	<5	<5	17	<2.5	<5	<5	<5	<5	4.5	1600	<5	<5	<5	13	120	<5	<5	<5	<5	<5	<10	
TMW-13	3/3/1999	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	4.6	31	<0.5	<0.5	<0.5	5.8	120	<0.5	<0.5	<1	<0.5	<0.5	<0.5	
	7/13/1999	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	4.5	29	<0.5	<0.5	<0.5	5.6	116	<0.5	<0.5	<1	<0.5	<1	<0.5	
	6/21/2000	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	3	14	<0.5	<0.5	<0.5	2.9	97	<0.5	<0.5	<1	<0.5	<1	<0.5	
	5/10/2001	<1	2.6	<1	<1	<2	<2	<20	<2	<2	0.6 J	1.1	7.1	<1	<1	10	61	<2	64	<1	<1	<2	<2	
	7/17/2001	<1	<1	<1	0.39	<0.5	<1	<10	<1	<1	1.2	11	<1	<1	<5	0.93	<5	2	72	<1	<1	<1	<2	
	3/22/2002	<1	<1	<1	0.31J	<0.5	<1	<10	<1	<1	8.7	<1	<1	<1	0.31J	3.2	74	<1	<1	<1	<1	<1	<2	
TMW-14	3/3/1999	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	3.8	4.6	<0.5	<0.5	<0.5	2.5	15	<0.5	<0.5	<1	<0.5	<1	<0.5	
	7/13/1999	<0.5	<0.5	<0.5	1.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.9	4.4	<0.5	<0.5	<0.5	1.8	13	<0.5	<0.5	<1	<0.5	<1	<0.5	
	6/21/2000	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.8	5.8	<0.5	<0.5	<0.5	1	10	1.3	0.57	1.8	<0.5	<1	<0.5	
	1/25/2001	<1	<1	<1	0.92 J	<0.5	<1	<10	<1	<1	1.1	5.4	<1	<1	<5	0.4 J	<5	1	9.2	16	0.26 J	1.2	<2	
	7/18/2001	<1	<1	<1	<1	<0.5	<1	<10	<1	<1	1.5	3.5	<1	<1	<5	1.2	<5	0.82	9.4	15	<1	<1	<2	
	3/22/2002	<1	<1	<1	<1	<0.5	<1	<10	<1	<1	2	3.9	<1	<1	<5	1	11	6.4	<1	<1	<1	<1	<2	
	09/16/02	<1	<1	<1	<1	<0.5	<1	<10	<1	<1	4	0.34J	<1	<1	<5	1.1	10	0.98J	<1	<1	<1	<1	<2	
TMW-15	3/3/1999	<0.5	<0.5	<0.5	0.96	<0.5	<0.5	<0.5	<0.5	<0.5	12	<0.5	<0.5	<0.5	<0.5	40	<0.5	<0.5	<1	<0.5	<1	<0.5	<1	
	7/13/1999	<0.5	<0.5	<0.5	1.5	<0.5	<0.5	<0.5	<0.5	<0.5	11	<0.5	<0.5	<0.5	<0.5	39	<0.5	<0.5	<1	<0.5	<1	<0.5	<1	
	6/22/2000	<0.5	<0.5	<0.5	1.7	<0.5	<0.5	<0.5	<0.5	<0.5	11	<0.5	<0.5	<0.5	<0.5	35	<0.5	<0.5	<1	<0.5	<1	<0.5	<1	
	1/25/2001	<1	<1	<1	0.63 J	<0.5	<1	<10	<1	<1	8.7	<1	<1	<1	0.39 J	<5	1	29	15	0.46 J	1.8	<2	<2	
	7/19/2001	<1	<1	<1	0.56	<0.5	<1	<10	<1	<1	5.1	<1	<1	<1	0.74	<5</td								

**Table 5**  
**Summary of Historical Volatile Organic Compounds**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Sampled	1,1-DCA	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	Isopropyl benzene	Acetone	Benzene	Carbon disulfide	Carbon tetrachloride	Chloroform	cis-1,2-DCE	trans-1,2-DCE	MEK (2-butanone)	Methylene chloride	MIBK	PCE	TCE	Toluene	Ethyl Benzene	Xylenes (total)	Trichlorofluoromethane
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
BL 3	3/26/2002	<12	<12	<12	<12	<6.2	<12	<120	<12	<12	<6.2	<12	<12	<12	<62	<12	22	840	<12	<12	<12	<25	
XMW 09	3/21/2002	<25	<25	<25	<25	<12	<25	<250	<25	<25	<12	1400	<25	<25	<120	<25	55	30	<25	<25	<25	<50	
XMW 18	3/27/2002	<12	<12	<12	14	<6.2	<12	<120	<12	<12	<6.2	7.5J	<12	<12	<62	<12	<12	1100	<12	<12	<12	<25	
XMW 19	3/22/2002	<1	<1	<1	0.56J	<0.5	<1	<10	<1	<1	<0.5	67	0.56J	<1	<5	<1	0.77J	10	0.62J	<1	<1	<1	<2

1,1-DCA - 1,1-Dichloroethane

1,1,1-TCA - 1,1,1-Trichloroethane

1,1,2-TCA - 1,1,2-Trichloroethane

1,1-DCE - 1,1-Dichloroethene

1,2-DCE - 1,2-Dichloroethene

cis-1,2-DCE - cis-1,2-Dichloroethene

MEK - methyl-ethyl-ketone

PCE - Tetrachloroethene

TCE - Trichloroethene

DUP = Duplicate sample

ug/L = Micrograms per liter

QA/QC: BB  
Date 11/01/02

**Table 6**  
**Monitored Natural Attenuation Parameters - 2002**  
**Boeing Realty Corporation Former C-6 Facility**

Well	Date Sampled	DO	ORP	pH	Conductivity	Temperature
		mg/L	mV		ms/cm	°C
WCC-3S	3/21/2002	0.10	-182	6.61	2.86	23.88
WCC-3D	3/21/2002	0.00	-88	7.48	0.805	23.08
WCC-4S	3/26/2002	3.63	-11	7.98	1.99	23.50
WCC-5S	3/21/2002	4.83	61	6.98	1.37	23.19
	9/16/2002	5.02	74	7.05	1.93	23.56
WCC-6S	3/26/2002	2.12	-137	7.89	2.20	24.00
WCC-7S	3/25/2002	4.03	55	7.16	1.23	23.47
WCC-9S	3/22/2002	3.09	55	7.04	1.34	23.25
WCC-11S	3/22/2002	1.96	37	7.05	1.44	22.48
WCC-12S	3/25/2002	4.80	61	7.18	1.21	23.56
DAC-P1	3/27/2002	5.77	82	7.16	2.00	23.40
	9/19/2002	5.58	60	7.34	2.33	23.87
TMW-1	3/25/2002	6.32	98	6.93	5.20	23.47
	9/18/2002	2.80	59	7.26	3.25	23.54
TMW-2	3/26/2002	2.28	-113	7.79	2.84	22.50
	9/19/2002	0.16	-169	6.74	3.43	23.91
TMW-3	3/26/2002	6.98	25	8.02	1.42	23.10
	9/19/2002	6.39	47	7.32	1.65	23.68
TMW-4	3/26/2002	6.01	33	8.02	1.84	23.00
	9/18/2002	6.17	82	7.43	1.96	24.76
TMW-5	3/26/2002	6.53	-4	8.29	0.83	22.90
	9/18/2002	4.57	71	7.53	1.31	23.78
TMW-6	3/26/2002	7.37	139	6.56	1.62	22.60
	9/18/2002	4.52	89	7.50	1.93	22.76
TMW-7	3/26/2002	4.90	63	8.05	1.74	23.30
	9/18/2002	3.78	90	7.50	1.92	24.39
TMW-8	3/26/2002	2.99	-52	7.85	1.64	23.60
TMW-9	3/26/2002	6.21	36	8.15	1.29	23.40
TMW-10	3/21/2002	5.14	26	7.17	1.54	23.85
	9/16/2002	4.14	52	7.31	1.89	24.64
TMW-11	3/22/2002	2.27	56	6.92	1.81	23.60
	9/17/2002	2.76	63	7.08	1.92	25.07
TMW-12	3/25/2002	2.22	27	6.81	1.98	24.50
	9/17/2002	2.29	81	7.22	2.68	24.17
TMW-13	3/22/2002	4.74	61	6.81	1.43	23.19
TMW-14	3/22/2002	5.26	38	6.79	3.30	23.43
	9/16/2002	5.52	77	7.04	3.41	24.68
TMW-15	3/22/2002	3.29	-83	7.16	0.94	23.78
	9/17/2002	4.49	-5	7.44	1.40	24.94
TMW-16	3/21/2002	8.18	89	7.25	2.05	23.75
	9/16/2002	8.07	62	7.47	2.55	25.02
BL-3	3/26/2002	7.77	115	7.58	3.30	23.40
XMW-09	3/21/2002	0.25	36	6.60	1.81	23.53
XMW-18	3/26/2002	0.60	-200	8.75	0.76	22.70
XMW-19	3/22/2002	4.39	24	7.04	1.56	23.47

Notes:

DO = Dissolved Oxygen

ORP = Oxidation Reduction Potential

mg/L = milligrams per liter

mV = millivolts

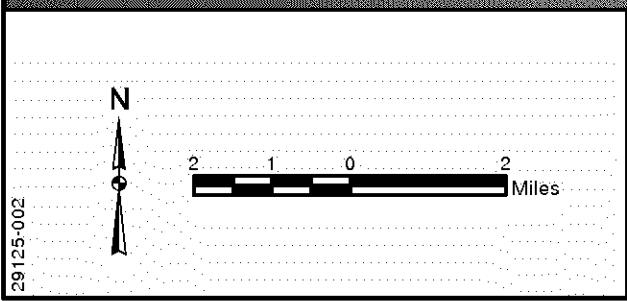
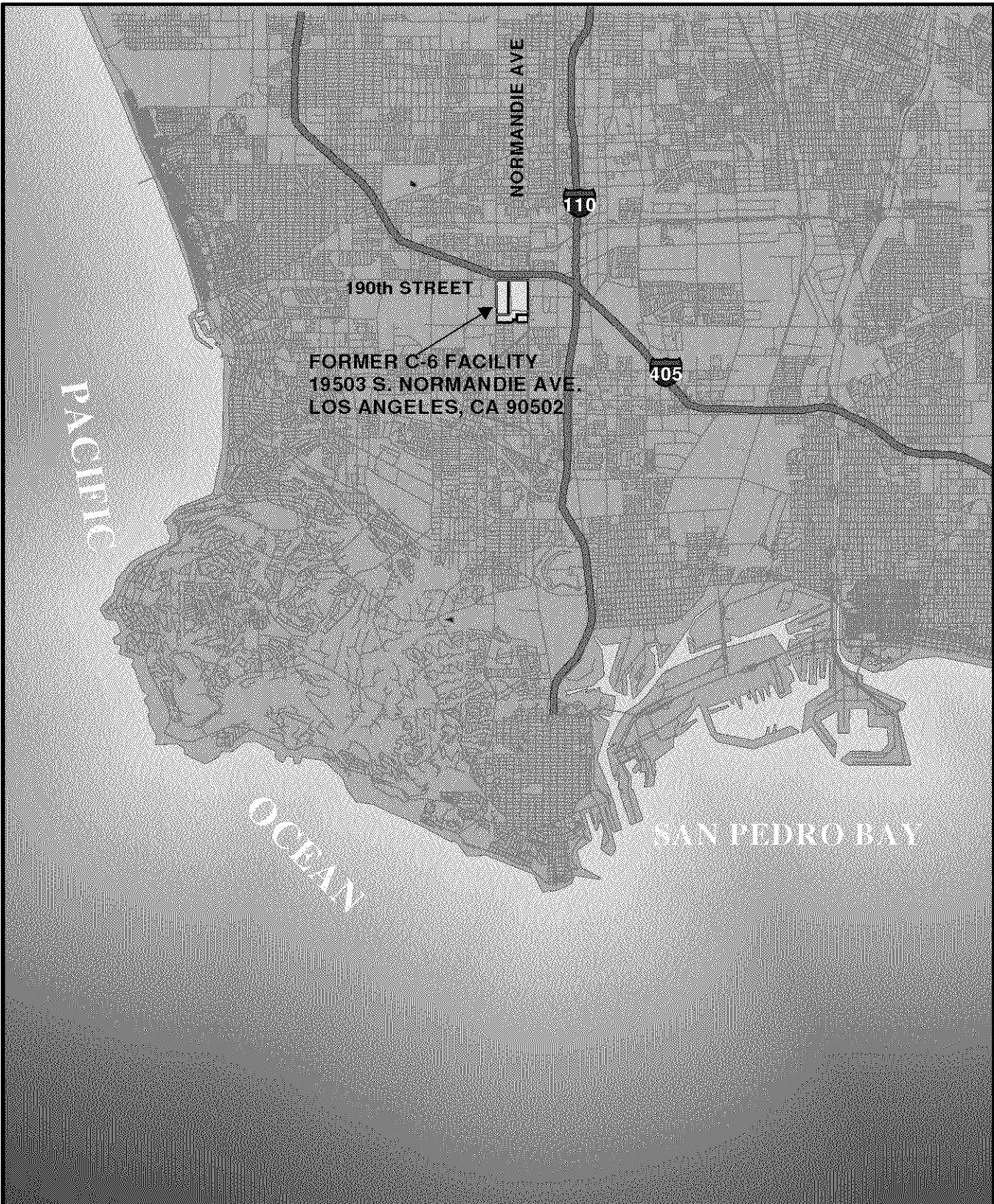
ms/cm = microsiemens per centimeter

°C = Degrees celsius

QA/QC: BB

Date 11/01/02

## **FIGURES**



UNDERGROUND  
ENGINEERING &  
ENVIRONMENTAL  
SOLUTIONS

BOEING REALTY CORPORATION  
FORMER C-6 FACILITY  
LOS ANGELES, CALIFORNIA

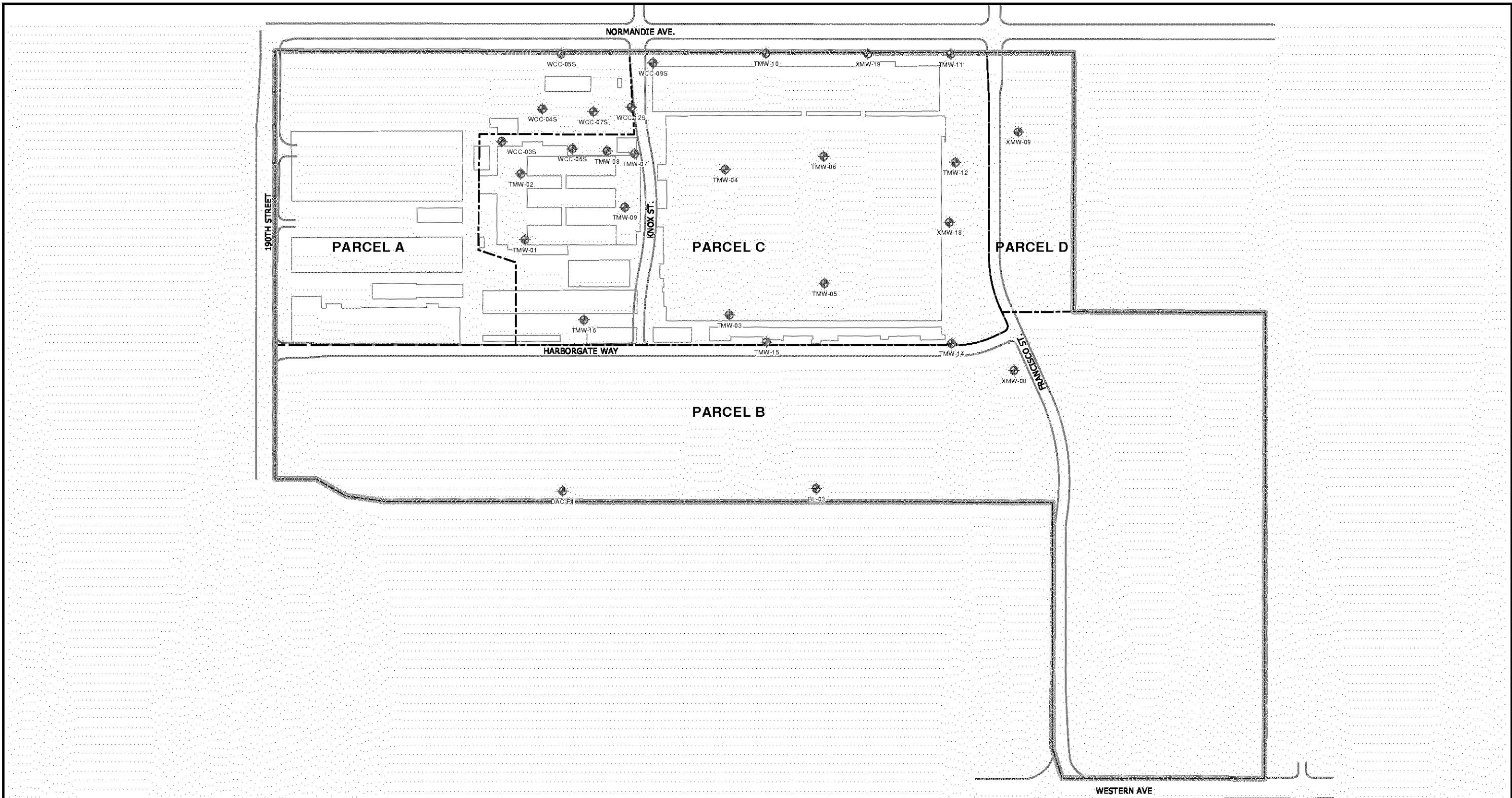
## SITE LOCATION PLAN

SCALE AS SHOWN

FIGURE 1

NOVEMBER 2002

BOE-C6-0004009



## Legend

- WCC-05S Groundwater Monitoring Well Location  
WCC-02 Groundwater Monitoring Well Sampled in September 2002  
Property Boundary

--- Parcel Boundary

Former Building Location

All Locations and Dimensions are Approximate

0 250 500 1,000 Feet



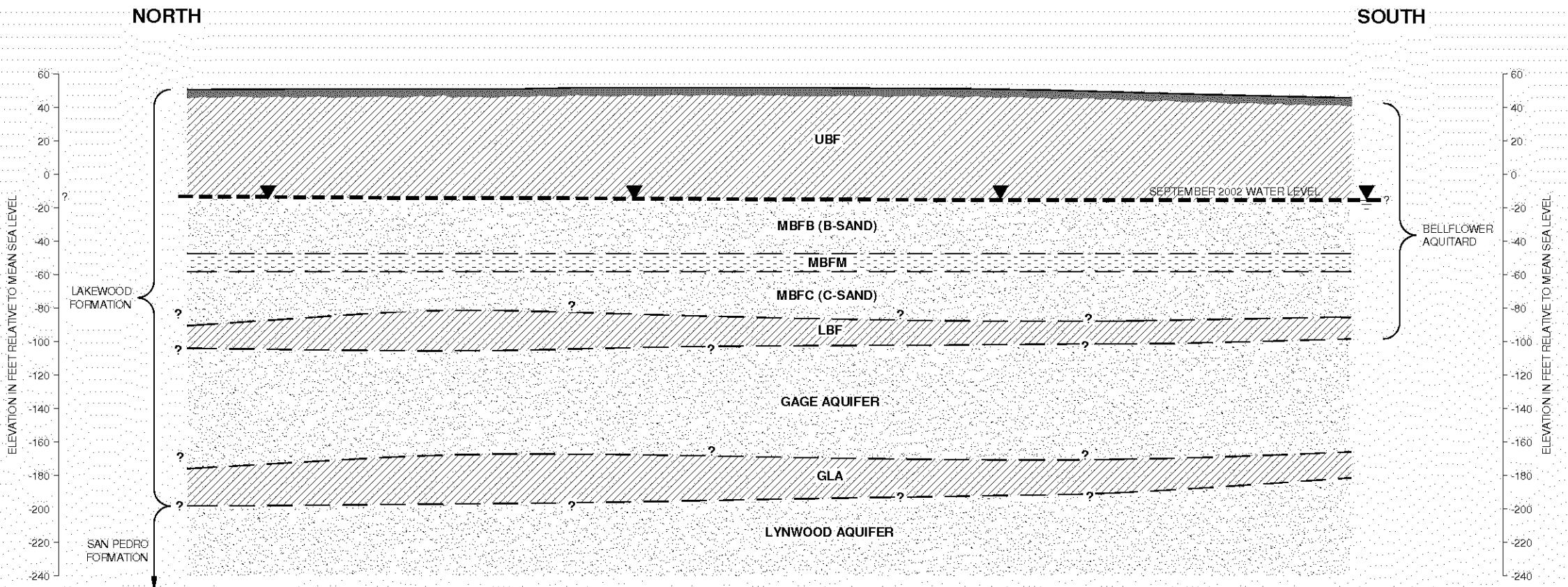
BOEING REALTY CORPORATION  
FORMER C-6 FACILITY  
LOS ANGELES, CALIFORNIA

SITE PLAN SHOWING GROUND-WATER MONITORING WELLS  
SAMPLED IN SEPTEMBER 2002

UNDERGROUND  
ENGINEERING &  
ENVIRONMENTAL  
SOLUTIONS

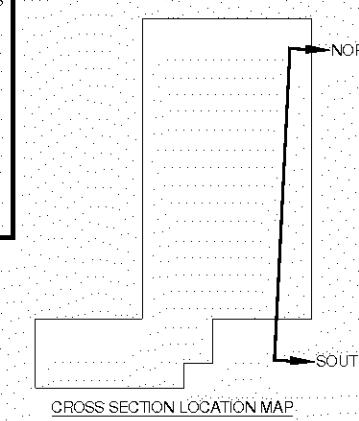
SCALE AS SHOWN

FIGURE 2

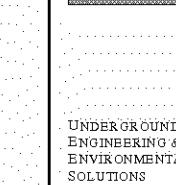


STRATIGRAPHIC UNITS	
UBF	UPPER BELLFLOWER AQUITARD
MBFB	MIDDLE BELLFLOWER B SAND
MBFM	MIDDLE BELLFLOWER MUD
MBFC	MIDDLE BELLFLOWER C SAND
LBF	LOWER BELLFLOWER AQUITARD
GAGE	GAGE AQUIFER
GLA	GAGE-LYNWOOD AQUITARD
LYNWOOD	LYNWOOD AQUIFER

LEGEND	
[Hatched Pattern]	HISTORIC - ARTIFICIAL FILL, SLABS, AND PAVEMENT OF VARYING DEPTHS
[Dashed Line]	HYDROSTRATIGRAPHIC UNIT BOUNDARY; DASHED WHERE INFERRED
[Downward Arrow]	WATER LEVEL
[Diagonal Lines]	PREDOMINANTLY FINE-GRAINED CLAY, SILT, CLAYEY SAND
[Vertical Lines]	PREDOMINANTLY SAND
[Dashed Dots]	MUD



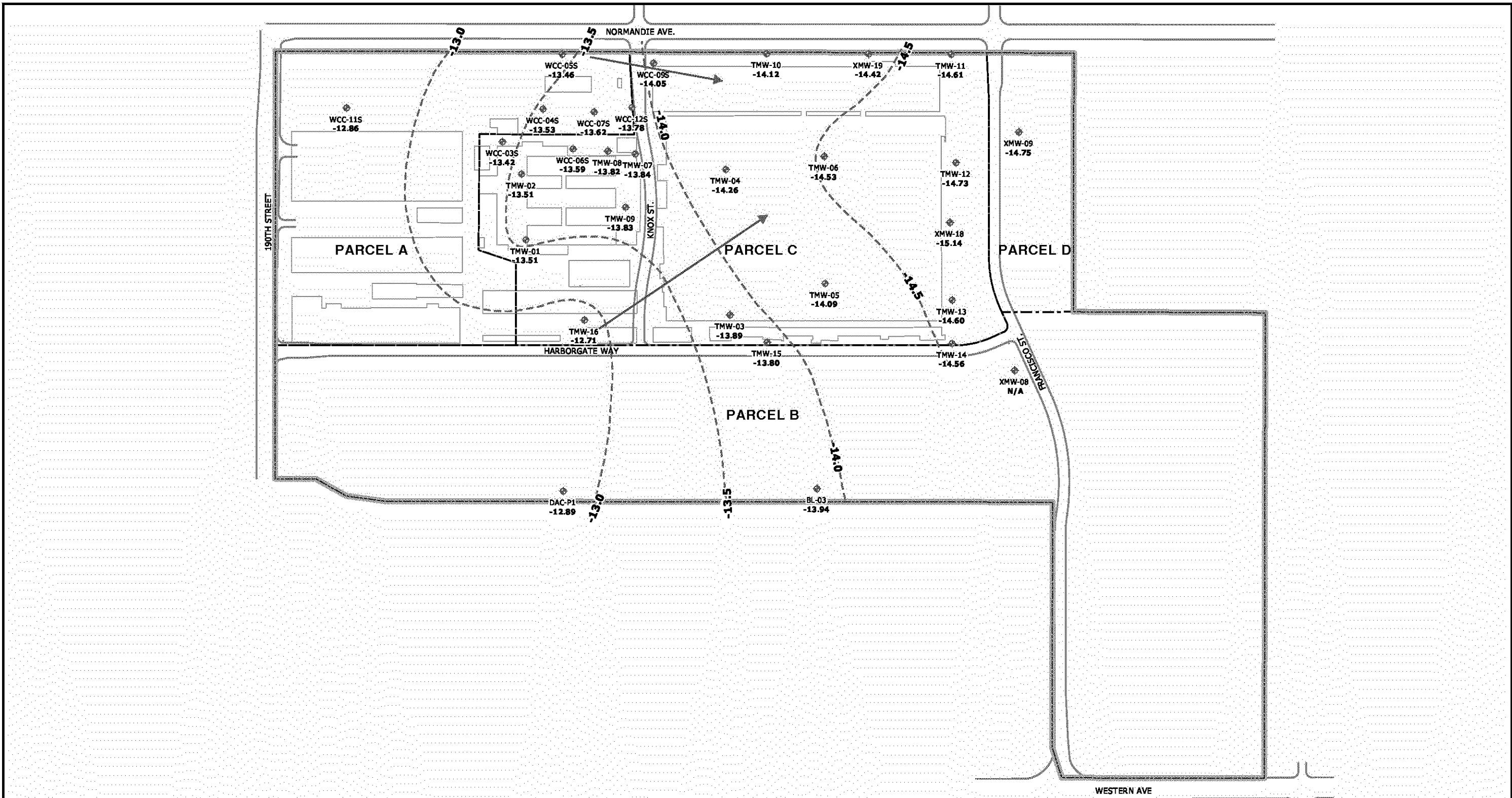
BOEING REALTY CORPORATION  
FORMER C-6 FACILITY  
LOS ANGELES, CALIFORNIA



HALEY &  
ALDRICH

UNDERGROUND  
ENGINEERING &  
ENVIRONMENTAL  
SOLUTIONS  
SCALE: AS SHOWN

FIGURE 3



## Legend

- 29125-002
- Groundwater Gauging Location WCC-6S
  - Groundwater Elevation Contour (feet)
  - Property Boundary
  - Former Building Location
  - Approximate Groundwater Flow Direction

All Locations and Dimensions are Approximate

0 250 500 1,000 Feet

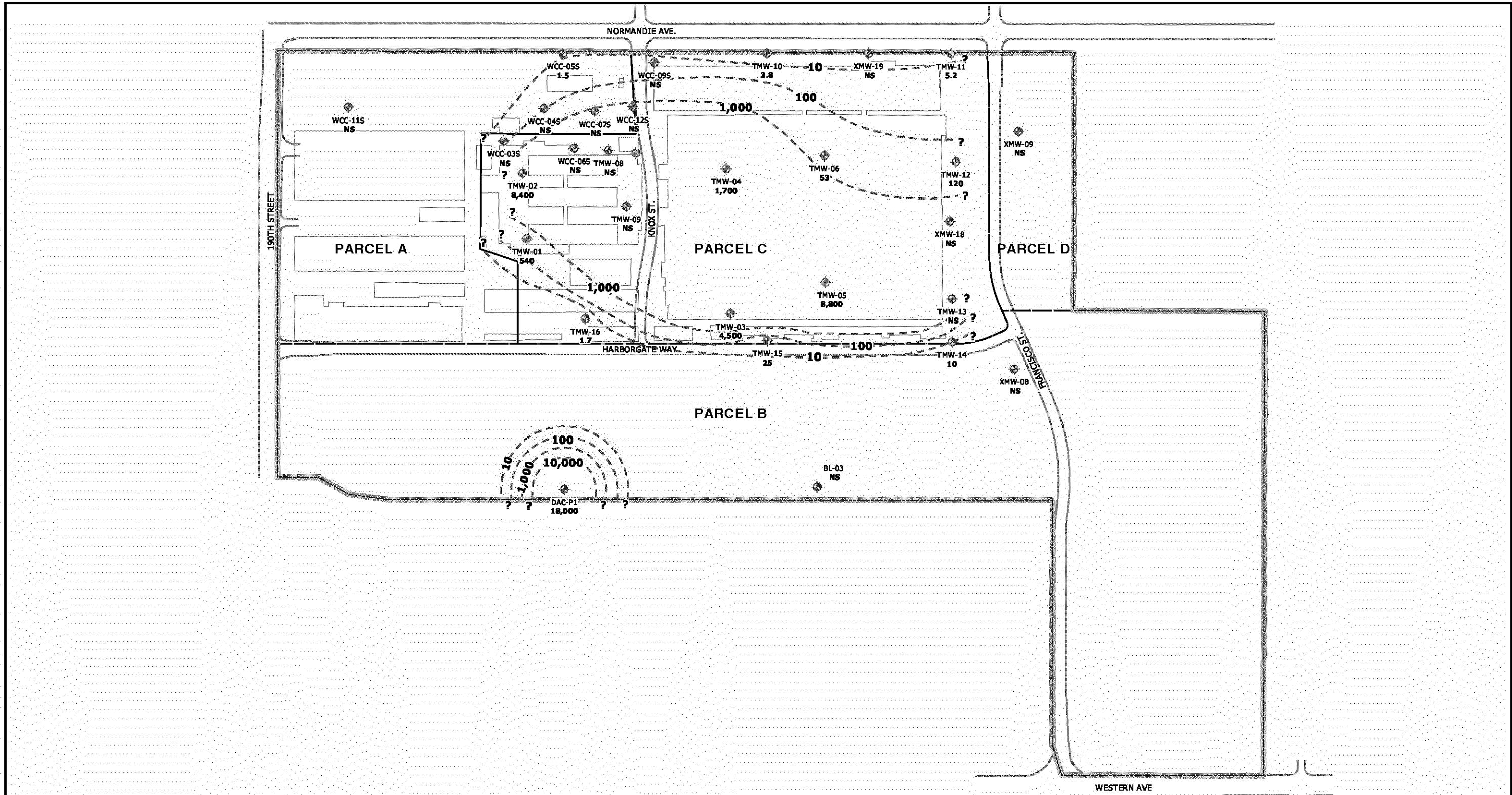


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FORMER C-6 FACILITY  
LOS ANGELES, CALIFORNIA

GROUNDWATER ELEVATION  
SEPTEMBER 2002

SCALE AS SHOWN

FIGURE 4



## Legend

WCC-05 Groundwater Monitoring Well Location  
TMW-02 Groundwater Monitoring Well Sampled in September 2002

TCE Iso-Concentration Contour in ug/L  
Property Boundary

Note:  
TCE = Trichloroethene  
MBFB = Middle BellFlower B-Sand  
NS = Not Sampled

All Locations and Dimensions are Approximate

0 250 500 1,000 Feet

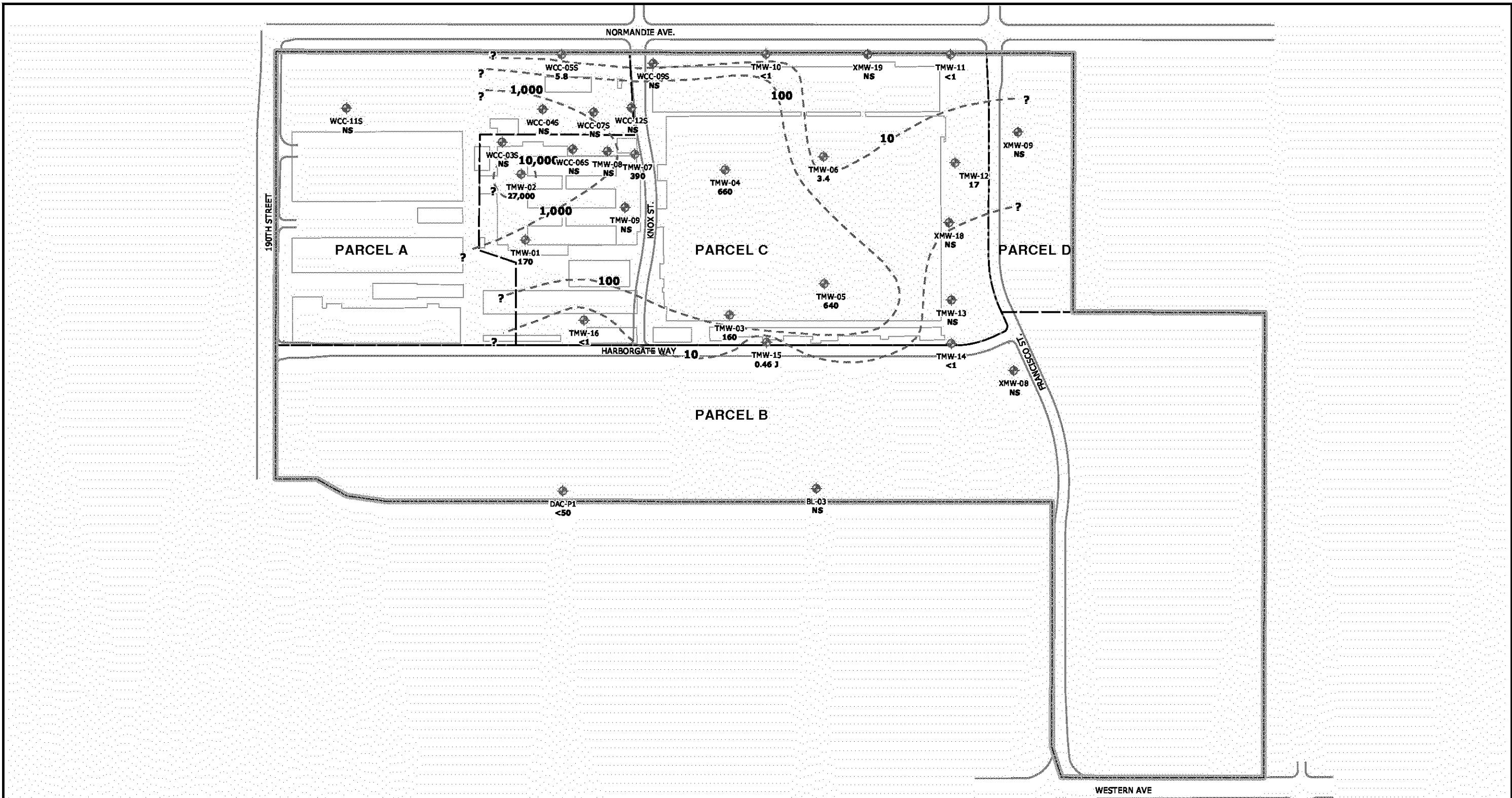


BOEING REALTY CORPORATION  
FORMER C-6 FACILITY  
LOS ANGELES, CALIFORNIA

TCE DISTRIBUTION  
IN MBFB GROUNDWATER  
SEPTEMBER 2002

UNDERGROUND  
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ENVIRONMENTAL  
SOLUTIONS  
SCALE AS SHOWN

FIGURE 5



## Legend

29125-002

WCC-6S Groundwater Monitoring Well Location

Groundwater Monitoring Well Sampled in September 2002

1,1-DCE Iso-Concentration Contour in ug/L

Property Boundary

Parcel Boundary

Former Building Location

NS = Not Sampled

Note:

1,1-DCE = 1,1-Dichloroethene  
MBFB = Middle BellFlower B-Sand

All Locations and Dimensions are Approximate

0 250 500 1,000 Feet



BOEING REALTY CORPORATION  
FORMER C-6 FACILITY  
LOS ANGELES, CALIFORNIA

1,1-DCE DISTRIBUTION  
IN MBFB GROUNDWATER  
SEPTEMBER 2002

UNDERGROUND  
ENGINEERING &  
ENVIRONMENTAL  
SOLUTIONS

SCALE AS SHOWN

FIGURE 6

NOVEMBER 2002

BOE-C6-0004014

**APPENDIX A**

**Field Data**

**September 2002 Semi-Annual Groundwater Monitoring  
Field Data Report**

The Boeing Realty Corporation  
Former C-6 Facility  
Torrance, California

Prepared by:  
*Tait Environmental Management, Inc.*

*September 26, 2002*



Talt Environmental Management, Inc.  
Engineering • Environmental • Compliance

September 26, 2002

Ms. Stephanie M. Sibbett  
Boeing Realty Corporation  
3855 Lakewood Boulevard  
Building 1A, MC D001-0097  
Long Beach, CA 90846

Via: Federal Express  
(818) 586-5889 (fax)  
(562) 593-8623 (phone)

**Subject: Field Data Report for Semi-Annual Gauging and Sampling at the Boeing Realty Corporation, Former C-6 Facility, Torrance, California**

Dear Ms. Sibbett:

This letter report is prepared to summarize and present the field data collected during the September 2002 Semi-Annual groundwater sampling and gauging activities conducted September 13 and 16-19, 2002 at the Boeing Realty Corporation (BRC), Former C-6 Facility, Torrance, California (Site). The groundwater gauging and sampling activities were performed in accordance with the following:

- *Groundwater Monitoring Work Plan 2002* by Haley & Aldrich, Inc., dated December 2001.
- *Statement of Work for Evaluating of Natural Attenuation* by Exponent prepared for Ogden Environmental and Energy Services Co., dated January 10, 2001.
- *Standard Operating Procedures for Measuring Natural Attenuation Parameters* by England Geosystems and Haley & Aldrich, dated January 9, 2001.
- *Standard Operating Procedures, Groundwater Gauging and Sampling* by Talt Environmental Management, Inc., dated September 9, 2002.

The following is a brief summary of our field activities and observations:

- A total of 29 monitoring wells were gauged on September 13, 2002.
- A total of 15 monitoring wells were purged and sampled between September 16, 2002 to September 19, 2002. Three (3) of the 30 monitoring wells (TMW-6, TMW-11, & TMW-12) were purged and sampled for natural attenuation parameters.
- Monitoring well TMW-13 was gauged, but not sampled during this event. The well could not be purged and sampled due to the poor condition of the well head completion (no well box) which allowed gravel to infiltrate the well which caused the pump to become lodged in the well at approximately 50 feet bgs. Efforts were made to recover pump with the assistance of a development rig from West Hazmat, Inc. They were unsuccessful in retrieving the pump. Per a phone conversation with Scott Zachary it was determined that the well did not need to be sampled. This well is scheduled to be abandoned in the near future.



September 26, 2002  
Boeing Realty Corporation, Former C-6 Facility  
September 2002 Semi-Annual Groundwater Monitoring Field Data Report

- A total of fourteen (14) 55-gallon drums were filled with decontamination and purged groundwater and were labeled per the Haley & Aldrich IDW numbering scheme.

Please call us if you have any questions or comments at (714) 560-8200. TEM is pleased to be of continued service to Boeing Realty Corporation.

Very Truly Yours,

Tait Environmental Management, Inc.

A handwritten signature of Scott Ek.

Scott Ek  
Project Geologist

A handwritten signature of Mehmet Pehlivan.

Mehmet Pehlivan, RG, CHG  
Senior Hydrogeologist

Attachments:

- Appendix A: Well Gauging Data Sheets & Groundwater Sampling Data Sheets
- Appendix B: Daily Field Reports & Daily Tailgate Health and Safety Meeting Agreement and Acknowledgement Sheets
- Appendix C: Instrument Calibration Sheets, QA/QC Sample Identification Forms, and Investigation Derived Waste Inventory Records

M:\TEM\2\Clients\BOEING\Tolerance C-6 Facility\September 2002 C-6 GW Monitoring\Weekly Reports & FDR\FDR - September 2002 Semi-Annual Sampling Event.doc

# Well Gauging Data Sheet



**Tait Environmental Management, Inc.**  
Engineering • Environmental • Compliance

**Site Name:** BRC, Former C-6 Facility  
**Project:** September 2002 GW Monitoring

Well ID	Date	Time	Diameter (inches)	Measurement Point (mp)	Well Installation/Boring Depth* (ft-bmp)	Screened Interval* (feet)	Depth to Water (March 2002) (ft-bmp)	Depth to Water (ft-bmp)	Total Depth (ft-bmp)	Personnel	Comments
WCC-3S	09/13/2002	7:46	4	TOC Blackmark	92.00	69-89	64.14	64.54	88.84	NC/RK	Overgrowth around well box. Difficult accessibility. Soft well bottom.
WCC-3D	09/13/2002	--	4	---	140.00	120-140	64.19	--	--	--	Well was abandoned.
WCC-4S	09/13/2002	10:23	4	TOC Blackmark	91.50	70.5-90.5	62.81	63.15	89.83	NC/RK	Good well condition. Semi-soft well bottom.
WCC-5S	09/13/2002	10:29	4	TOC Blackmark	91.00	61-91	61.93	62.25	90.03	NC/RK	Good well condition. Semi-soft well bottom.
WCC-6S	09/13/2002	14:45	4	TOC Northside	91.00	60-90	64.56	64.89	87.92	NC/RK	Well box & casing surrounded by dirt. Soft well bottom.
WCC-7S	09/13/2002	10:34	4	TOC Blackmark	90.50	60-90	63.51	63.82	90.51	NC/RK	Good well condition. Semi-soft well bottom.
WCC-9S	09/13/2002	11:33	4	TOC Blackmark	91.50	60-90	60.33	60.70	88.65	NC/RK	Well box & casing surrounded by dirt. Soft well bottom.
WCC-11S	09/13/2002	10:11	4	TOC Blackmark	91.00	60-90	63.68	64.20	91.15	NC/RK	Good well condition. Semi-soft well bottom.
WCC-12S	09/13/2002	13:21	4	TOC Blackmark	91.50	60-90	60.44	60.70	90.43	NC/RK	Good well condition. Difficult to access. Soft well bottom.
DAC-P1	09/13/2002	10:44	4	TOC Redmark	90.00	60-90	65.52	65.64	90.55	NC/RK	Good well condition. Hard well bottom
TMW-1	09/13/2002	9:51	2	TOC Redmark	86.00	61-81	69.57	69.97	85.78	NC/RK	Cut lock off well cap. Good well condition. Soft bottom.
TMW-2	09/13/2002	8:00	2	TOC Northside	87.00	62-82	69.55	69.89	85.24	NC/RK	Marked north side of casing. Soft muddy well bottom.
TMW-3	09/13/2002	11:22	2	TOC Bluemark	87.00	62.5-82.5	65.06	65.25	81.57	NC/RK	Well condition good. Pulled tubing. Soft well bottom.
TMW-4	09/13/2002	11:27	2	TOC Bluemark	86.00	60-80	68.18	66.44	80.29	NC/RK	Well condition good. Soft well bottom. Gauging QC performed.
TMW-5	09/13/2002	12:58	2	TOC Blackmark	86.00	61.3-81.3	67.52	67.41	83.25	NC/RK	Well condition good. Soft well bottom. Gauging QC performed.
TMW-6	09/13/2002	12:26	2	TOC Blackmark	86.00	61.2-81.2	70.61	70.83	86.33	NC/RK	Well condition good. Well bottom soft muddy.

# Well Gauging Data Sheet



**Tait Environmental Management, Inc.**  
Engineering • Environmental • Compliance

**Site Name:** BRC, Former C-6 Facility  
**Project:** September 2002 GW Monitoring

Well ID	Date	Time	Diameter (inches)	Measurement Point (mp)	Well Installation/Boring Depth* (ft-bmp)	Screened Interval* (feet)	Depth to Water (March 2002) (ft-bmp)	Depth to Water (ft-bmp)	Total Depth (ft-bmp)	Personnel	Comments
TMW-7	09/13/2002	9:36	2	TOC Blackmark	89.50	64-84	66.07	66.36	83.65	NC/RK	Good well condition. Soft well bottom.
TMW-8	09/13/2002	8:02	2	TOC Blackmark	89.50	61-81	67.49	67.81	82.80	NC/RK	Good well condition. Soft well bottom.
TMW-9	09/13/2002	9:45	2	TOC Blackmark	86.00	61-81	66.32	66.58	80.14	NC/RK	Above ground casing loose. Soft well bottom.
TMW-10	09/13/2002	11:45	2	TOC Redmark	85.00	60.5-80.5	61.36	61.60	78.03	NC/RK	Good well condition. Soft well bottom.
TMW-11	09/13/2002	12:09	2	TOC Blackmark	83.00	58-78	60.89	62.02	77.73	NC/RK	Well condition good. Pulled tubing. Soft well bottom.
TMW-12	09/13/2002	12:18	2	TOC Blackmark	88.00	62-82	66.25	66.40	80.43	NC/RK	Well condition good. Above ground casing loose. Well bottom soft.
TMW-13	09/13/2002	12:34	2	TOC Blackmark	85.00	60-80	65.49	65.49	78.32	NC/RK	Well box & casing surrounded by dirt & rocks. Well bottom soft & muddy.
TMW-14	09/13/2002	11:01	2	TOC Northside	90.00	65-85	72.69	72.72	87.94	NC/RK	Missing well cap; taped closed. Marked north side on casing. Soft well bottom.
TMW-15	09/13/2002	11:08	2	TOC Northside	92.00	62-87	68.88	69.03	87.42	NC/RK	Marked north side on casing. Soft well bottom.
TMW-16	09/13/2002	9:59	2	TOC Northside	82.50	56.5-76.5	68.06	68.44	81.12	NC/RK	Marked north side on casing. Soft well bottom
BL-3	09/13/2002	10:53	2	TOC Notch	82.00	62-82	70.25	70.42	81.26	NC/RK	Good well condition. Soft well bottom.
XMW-09	09/13/2002	13:07	4	TOC Blackmark	---	66-81	68.34	68.42	79.25	NC/RK	Good well condition. Obstacle in well make gauging difficult. Soft well bottom.
XMW-18	09/13/2002	12:44	4	TOC Northside	---	66-83	65.51	65.48	138.49	NC/RK	Well box & casing surrounded by dirt. Well bottom soft & very muddy.
XMW-19	09/13/2002	11:51	4	TOC Blackmark	---	63-79	60.76	60.95	77.29	NC/RK	Good well condition. Cap has hose attached. Well bottom soft.

**Notes:**

ft-bmp = Feet Below Measurement Point

TOC = Top Of Casing

\*Referenced from Table 1 - Well Completion Information, Groundwater Monitoring Workplan 2002, Former C-6 Facility, Torrance, California. Haley & Aldrich, Inc. December 2001.



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9/19/02  
JK

## Groundwater Sampling Data Sheet

Project Name: Boeing C-6 Fac. Torrance Sept. 2002 GW Sampling				Date: 9/16/02								
Project No.: EM2303				Prepared By: NC/RK								
Well Identification: WCC-5S				Pump Intake Depth (ft-bmp): ~ 65 ft.								
Measurement Point Description: Toc - Blackmark												
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)						
NA	62.25	90.04	27.79	NA	18.1	54.3						
Well Diameter (in)		Gallons/Foot			Field Equipment: Solinst, Horiba U-22, Grundfos 2" Pump, Redflow, Multiquip Generat							
		0.75	2	4	6	Purge Method: 2" Submersible Pump						
0.75	2	(4)	6	0.02	0.16	(0.65)	1.47	Well Condition: Good; Soft bottom				
Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations	
8:49	0	3 <sup>NC</sup>	~1.	62.54	6.87	24.36	3	1.87	5.41	+41	clear	
8:58	0.5	9	>10 <sup>NC</sup>	62.58	6.90	23.69	10	1.94	5.20	+60	" "	
9:06	1	18	1.1	62.65	7.00	23.56	10	1.98	5.12	+74	" "	
9:12	1.5	27	1.5	62.68	7.04	23.55	10	1.97	5.04	+73	" "	
9:18	2	36	1.5	62.65	7.06	23.55	10	1.97	5.02	+74	" "	
9:25	2.5	45	1.4	62.66	7.03	23.56	10	1.94	5.04	+78	" "	
9:32	3	54	1.4	62.66	7.05	23.56	80%	Water Level at Sampling Time (ft-bmp)	1.93	Sample Collection Time:	5:02	+74
Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	Recovery Water Level Depth						Sample Identification	
8:46	9:32	1.4	55	3	67.81	62.64	9:35	WCC-5S_W6091602_0001				
Notes:												

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid



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9/16/02  
JK

### Groundwater Sampling Data Sheet

Project Name: Sept. 2002 Gw Sampling - C-to-Torrance.			Date: 9/16/02								
Project No.: EN2303			Prepared By: NC/RK								
Well Identification: TMW-16			Pump Intake Depth (ft-bmp): ~ 71 ft.								
Measurement Point Description: TOC - Northside											
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)						
NA	68.90	81.21	12.31	NA	2						
Well Diameter (in)		Gallons/Foot			Field Equipment: see page 1						
		0.75	2	4	6	Purge Method: see page 1					
0.75	(2)	4	6	0.02	0.16	0.65	1.47	Well Condition: Good; soft well bottom			
Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
10:39	0	0	~0.3	71.15	7.47	24.66	200	2.53	9.51	+47	slightly silty
10:42	0.5	1	~0.3	71.12	7.17	24.13	760	2.48	8.06	+90	" " "
10:47	1	2	~0.2	71.38	7.42	25.64	480	2.52	7.49	+85	" "
10:51	1.5	3	~0.25	71.48	7.45	26.18	600	2.51	7.49	+80	mostly clear
10:57	2	4	0.25 <sup>NC</sup>	71.33	7.49	26.44	510	2.56	7.52	+77	" "
11:02	2.5	5	0.3 <sup>NC</sup>	75.08	7.46	26.12	960	2.55	8.11	+44	silty
Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification			
10:38	12:15	~0.3	24	12	71.36	71.36	12:30	TMW-16-WG091602-0001			
Notes: Lowered pump ~2ft + increased flow to approx. 0.5 gpm to try to lower turbidity (~11:00)											

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid



**GROUNDWATER SAMPLING DATA SHEET  
WELL DEVELOPMENT DATA SHEET NC  
(continued)**

*ENTRANCE  
9/16/02*

**WELL ID TMW-10**

*Sept. 2002 GW Sampling*

**PROJECT NAME:** BRC Former C-6 Torrance  
**PROJECT NO.:** EM2303

**DATE:** 9/16/02  
**PREPARED BY:** NC

TIME	ELAPSED TIME (MIN)	FLOW RATE (GPM)	CASING VOLUMES PURGED	VOLUME PURGED (GAL)	WATER LEVEL (FBMP)	TEMP. (°C)	pH	CONDUCTIVITY (µmhos/cm) mS/cm	TURBIDITY (NTU)	DOB	ORP	COMMENTS
11:15	NA	8.2, 0.6	5	10	73.96	25.23	7.44	2.56	900	7.82	+50	silty
11:19		0.25	5.5	11	73.96	25.14	7.47	2.58	430	7.82	+49	mostly clear
11:24		0.2	6	12	74.25	25.07	7.48	2.57	340	7.89	+42	clear
11:49		0.4	8	16	74.03	25.56	7.38	2.53	2990	7.98	+55	silty
11:52		0.14	8.5	17	73.83	25.33	7.38	2.55	620	8.13	+68	slightly silty
11:55		0.3	9	18	73.92	25.11	7.41	2.56	340	8.21	+65	mostly clear
11:59		0.25	9.5	19	73.87	25.03	7.41	2.55	250	8.06	+62	clear
12:02		0.3	10	20	74.02	25.04	7.43	2.55	250	8.07	+62	" "
12:06		0.25	10.5	21	73.97	25.03	7.46	2.55	200	8.06	+64	" "
12:09		0.3	11	22	73.94	25.04	7.46	2.55	160	8.03	+59	" "
12:12		0.3	11.5	23	73.99	25.01	7.47	2.55	160	8.04	+61	" "
12:15	↓	0.3	12	24	73.89	25.02	7.47	2.55	75	8.07	+62	" "

**NOTES:** Stopped pump again at 11:30 after pump lowered itself, to reset pump at desired intake depth.  
Turbidity went up.



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## Groundwater Sampling Data Sheet

Project Name: Sept. 2002 GW Sampling - C-6 Torrance				Date: 9/16/02									
Project No.: ENR2303				Prepared By: NC/RK									
Well Identification: TMW-10				Pump Intake Depth (ft-bmp): ~65 ft.									
Measurement Point Description: TOC - Redmark													
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)		Water Column Height (ft)		LNAPL Thickness (ft)		One (1) Casing Volume (gallons)		Three (3) Casing Volumes (gallons)			
NA	61.60	78.13		16.53		NA		2.6 (~3)		7.8 (~9)			
Well Diameter (in)			Gallons/Foot				Field Equipment: SEE PAGE 1						
			0.75	2	4	6	Purge Method: SEE PAGE 1						
0.75	2	4	6	0.02	0.16	0.65	1.47	Well Condition: Good; Soft well bottom					
Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations		
12:58	0	0	NA	61.60	7.16	24.29	620	1.78	3.98	+69	Somewhat silty		
13:02	0.5	1.5	~0.4	61.60	7.01	24.40	300	1.84	3.25	+76	mostly clear		
13:04	1	3	0.75	61.57	7.02	24.92	130	1.86	3.11	+76	clear		
13:07	1.5	4.5	0.5	61.59	7.19	24.80	74	1.87	3.24	+67	" "		
13:10	2	6	0.5	61.64	7.24	24.78	32	1.87	3.53	+60	" "		
13:13	2.5	7.5	0.5	61.66	7.28	24.69	48	1.88	3.85	+54	" "		
13:16	3	9	0.5	61.67	7.31	24.680% Recovery	27	1.89	4.14	+52	" "		
Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	Water Level at Sampling Time (ft-bmp)	Water Level Depth	Sample Collection Time	Sample Identification					
12:57	13:20	0.5	10.5	3.5	64.91	61.68	13:25	TMW-10_WG091602_0001					
Notes: Collected Field Blank FB-TAIT091602_0001													
13:20	3.5	10.5	0.4	61.68	7.33	24.66	10	1.89	4.45	+50	clear at 13:10		

ft-bmp = feet below measuring point  
LNAPL = light non-aqueous phase liquid



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### Groundwater Sampling Data Sheet

Project Name: Sept. 2002 GW Sampling - C-6 Torrance				Date: 9/16/02							
Project No.: EM 2303				Prepared By: NC/RK							
Well Identification: TMW-14				Pump Intake Depth (ft-bmp): ~75 ft							
Measurement Point Description: TBC - Northside											
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)		Water Column Height (ft)		LNAPL Thickness (ft)		One (1) Casing Volume (gallons)		Three (3) Casing Volumes (gallons)	
NA	12.68	88.04		16.36		NA		25		75	
Well Diameter (in)		Gallons/Foot				Field Equipment: SEE PAGE 1					
		0.75	2	4	6	Purge Method: SEE PAGE 1					
0.75	2	4	6	0.02	0.16	0.65	1.47	Well Condition: Good; Soft Well bottom; well cap missing			
Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
13:48	0	0	NA	72.97	6.86	24.83	910	3.58	6.64	+57	Silty
13:50	0.5	1.25	~0.6	72.99	6.77	24.07	270	3.76	5.37	+15	mostly clear
13:52	1	2.5	~0.6	73.01	6.87	24.49	180	3.74	4.82	+41	clear
13:55	1.5	3.75	0.4	73.05	6.97	24.55	190	3.51	5.10	+65	slightly silty
13:57	2	5	0.4	73.03	7.00	24.65	300	3.51	5.30	+15	" " "
14:00	2.5	6.25	0.4	73.06	7.03	24.61	130	3.43	5.45	+78	clear
14:03 Purge Start Time	3	7.5	0.4	73.05	7.04	24.68% Recovery	90	3.41	5.52	+77	" "
Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification					
13:47	14:09	0.45	10	4	75.75	73.07	14:15	TMW-14-WG091602-0001			
Notes:											
14:06	3.5	8.15	0.4	73.06	7.06	24.59	190	3.37	5.61	+78	clear
14:09	4	10	0.4	73.07	7.06	24.65	73	3.31	5.64	+79	" "

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid



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### Groundwater Sampling Data Sheet

Project Name: BRC Former C-6 Sept. 2002 GW Sampling				Date: 9/11/02							
Project No.: EM2303				Prepared By: NC/RK							
Well Identification: TMW-11				Pump Intake Depth (ft-bmp): ~65 ft							
Measurement Point Description: TOC - Blackmark											
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)					
NA	62.02	77.69	15.67	NA	2.5	7.5					
Well Diameter (in)		Gallons/Foot			Field Equipment: Solinst, Horiba U-22, Multiquip 6000 Generator, Grundfos "Pump Rediflow"						
		0.75	2	4	6	Purge Method: 2" Submersible Pump					
0.75	2	4	6	0.02	0.16	0.65	1.47	Well Condition: Good; soft well bottom			
Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
8:07	0	0	NA	62.25	6.54	22.72	>990	1.90	4.41	+221	very silty
8:09	0.5	1.25	0.4	62.27	6.77	23.85	>990	1.94	3.11	+185	silty
8:12	1	2.5	0.4	62.28	6.87	24.54	>990	1.93	3.05	+158	" "
8:15	1.5	3.75	0.4	62.27	6.91	24.76	>990	1.93	3.02	+140	" "
8:19	2	5	0.3	62.25	7.02	24.90	>990	1.95	3.03	+117	slightly silty
8:22	2.5	6.25	0.4	62.26	6.95	24.87	610	1.95	2.93	+98	mostly clear
8:25 Purge Start Time	3 Purge End Time	7.5 Average Flow (gpm)	0.4	62.24 Total Gallons Purged	7.09 Total Casing Volumes Purged	24.9980% Recovery Water Level Depth	420 Water Level at Sampling Time (ft-bmp)	1.95 Sample Collection Time	2.90 Sample Identification	+80	" "
8:06	8:52	0.35	16.25	6.5	65.15	62.23	9:00	TMW-11-WG091102-0001			
Notes:											

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid



**GROUNDWATER SAMPLING  
WELL DEVELOPMENT DATA SHEET**  
(continued)

**ENTERPRISE**

WELL ID TMW-1

PROJECT NAME: Sept. 2002 GW Sampling - BRC Former C-6	DATE: 9/17/02
PROJECT NO.: EN2803	PREPARED BY: NC/RK

NOTES: Silt deposited in tubing and Horiba flow cell; causing elevated turbidity readings.



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### Groundwater Sampling Data Sheet

Project Name: Sept. 2002 Gwl Sampling, BRC Former C-6				Date: 9/17/02							
Project No.: EM2303				Prepared By: NC/RK							
Well Identification: TMW-15				Pump Intake Depth (ft-bmp): ~73							
Measurement Point Description: TOC - Blackmark											
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)					
NA	69.41	87.58	18.17	NA	2.9 (~3)	8.7 (~9)					
Well Diameter (in)		Gallons/Foot				Field Equipment: SEE PAGE 1					
		0.75	2	4	6	Purge Method: SEE PAGE 1					
0.75	(2)	4	6	0.02	(0.16)	0.65	1.47	Well Condition: Good; soft well bottom			
Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
9:33	0	0	NA	71.93	7.37	22.89	440	1.04	3.61	-43	clear
9:36	0.5	1.5	0.5	71.80	7.08	23.14	520	1.07	1.30	-62	mostly clear
9:39	1	3	0.5	71.82	7.14	24.68	760	1.52	1.34	-85	slightly silty
9:44	1.5	4.5	0.3	71.25	7.39	25.13	580	1.29	2.20	-80	mostly clear
9:49	2	6	0.3	71.54	7.42	25.11	260	1.28	3.35	-71	clear
9:54	2.5	7.5	0.3	71.73	7.48	24.91	220	1.33	3.6	-62	" "
9:58	3	Average Flow (gpm)	0.35	71.75	7.42	25.00 <sup>80%</sup>	200	1.38	3.69	-44	" "
Purge Start Time	Purge End Time	Total Casing Volumes Purged	Total Gallons Purged	Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification				
9:32	10:23	5.5	16.5	73.04	71.92	10:27	TMW-15-WG091702-0001				
Notes: Collected Field Blank FB-TAIT091702-0001 at 9:30											

ft-bmp = feet below measuring point  
LNAPL = light non-aqueous phase liquid



~~GROUNDWATER SAMPLING  
WELL DEVELOPMENT DATA SHEET~~  
(continued)

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WELL ID TMW-15

PROJECT NAME: Sept. 2002 GW Sampling - BRC Former C-6  
PROJECT NO.: EM2303

DATE: 9/17/02

PREPARED BY: Nicole

**NOTES:**



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### Groundwater Sampling Data Sheet

Project Name: Sept. 2002 GW Sampling - BRC Former C-6				Date: 9/17/02							
Project No.: EM2303				Prepared By: NC/RK							
Well Identification: TMW-12				Pump Intake Depth (ft-bmp): ~70							
Measurement Point Description: TOC - Blackmark											
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)					
NA	66.40	79.36	12.96	NA	2	6					
Well Diameter (in)		Gallons/Foot			Field Equipment: SEE PAGE 1						
0.75	2	4	6	0.75	Purge Method: SEE PAGE 1						
0.75	2	4	6	0.02	0.16	0.65	1.47	Well Condition: Casing cracked at ground surface; soft well bottom			
Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (ms/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
9:18	0	0	NA	67.06	7.28	22.15	430	2.43	6.70	+80	mostly clear
9:19	0.5	1	0.5	67.05	7.11	23.24	230	2.45	3.65	+55	" " "
9:21	1	2	0.5	67.10	7.20	23.71	64	2.40	2.85	+53	clear
9:23	1.5	3	0.5	67.08	7.22	24.01	25	2.33	2.46	+56	" "
9:25	2	4	0.5	67.05	7.21	24.18	18	2.31	2.37	+59	" "
9:28	2.5	5	0.3	67.03	7.24	24.16	1	2.57	2.43	+72	" "
9:30	3	6	0.5	67.07	7.22	24.180%	2	2.68	2.29	+81	" "
Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification			
9:17	9:30	0.45	6	3	68.99	67.07	9:35	TMW-12-WG091702-0001			

Notes:

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid



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### Groundwater Sampling Data Sheet

Project Name: Sept. 2002 GW Sampling - BRC Former C-6				Date: 9/18/02							
Project No.: EM2303				Prepared By: NC/RK							
Well Identification: TMW-1				Pump Intake Depth (ft-bmp): ~73							
Measurement Point Description: TOC - Blackmark											
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)					
NA	69.98	84.95	14.97	NA	2.4 (~2.5)	7.2 (~7.5)					
Well Diameter (in)		Gallons/Foot			Field Equipment: SEE PAGE 1						
		0.75	2	4	6	Purge Method: SEE PAGE 1					
0.75	2	4	6	0.02	0.16	0.65	1.47	Well Condition: Good, soft well bottom			
Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp) <i>as</i>	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
10:07	0	0	NA	70.55	7.13	22.53	980	2.62	4.45	-37	Somewhat silty
10:09	0.5	1.25	0.4	70.57	7.09	23.24	>990	2.58	2.16	-15	silty
10:11	1	2.5	0.6	70.61	7.20	23.40	390	2.70	1.80	+14	mostly clear
10:13	1.5	3.75	0.6	70.69	7.26	23.46	200	2.79	1.96	+28	clear
10:15	2	5	0.6	70.75	7.28	23.38	100	3.02	2.40	+45	" "
10:17	2.5	6.25	0.6	70.66	7.26	23.40	73	3.16	2.67	+55	" "
10:19	3	7.5	0.6	70.65	Total Casing Volumes Purged	23.540% Recovery Water Level Depth	44	3.25	2.80	+59	" "
Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged		Water Level at Sampling Time (ft-bmp)	Sample Collection Time					Sample Identification
10:06	10:22	0.55	8.75	3.5	72.97	70.66	10:30				TMW-1-WG091802-0001
Notes: Collected duplicate sample TMW-1-WG091802-0002											

10:22 3.5 8.75 0.4 70.66 7.32 23.57 28 3.34 2.98 +63 clear  
ft-bmp = feet below measuring point  
LNAPL = light non-aqueous phase liquid



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### Groundwater Sampling Data Sheet

Project Name: Sept. 2002 GW Sampling - BCC Former C-6 Project No.: EM2303 Well Identification: TMW-4				Date: 9/18/02 Prepared By: NC/RK Pump Intake Depth (ft-bmp): ~70							
Measurement Point Description: TOC - Blackmark											
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)					
NA	66.45	80.44	13.99	NA	2.2 (~2.5)	6.6 (~7.5)					
Well Diameter (in)		Gallons/Foot				Field Equipment: SEE PAGE 1					
		0.75	2	4	6	Purge Method: SEE PAGE 1					
0.75	(2)	4	6	0.02	0.16	0.65	1.47	Well Condition: Good, no orange mesh enclosure indicating well location; Soft bottom			
Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
10:59	0	0	NA	66.74	7.32	23.77	240	1.94	7.07	+114	mostly clear
11:02	0.5	1.25	0.3	66.69	7.15	23.99	140	1.96	6.57	+116	" "
11:04	1	2.5	0.6	66.70	7.20	24.48	97	1.98	6.22	+101	clear
11:08	1.5	3.75	0.3	66.66	7.33	24.63	64	1.97	6.09	+90	" "
11:11	2	5	0.4	66.65	7.40	24.80	45	1.96	6.10	+83	" "
11:14	2.5	6.25	0.4	66.67	7.42	24.68	31	1.96	6.17	+83	" "
Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification			
10:58	11:18	0.4	7.5	3	69.25	66.65	11:20	TMW-4_WG091802-0001			
Notes:											

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid



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## Groundwater Sampling Data Sheet

Project Name: Sept. 2002 GW Sampling - BRC Former C-6				Date: 9/18/02								
Project No.: EM2303				Prepared By: NC/pk								
Well Identification: TMW-6				Pump Intake Depth (ft-bmp): ~74								
Measurement Point Description: TOC - Bluemark												
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)		Water Column Height (ft)		LNAPL Thickness (ft)		One (1) Casing Volume (gallons)		Three (3) Casing Volumes (gallons)		
NA	70.82	85.92		15.10		NA		2.4 (~2.5)		7.2 (~7.5)		
Well Diameter (in)			Gallons/Foot				Field Equipment: SEE PAGE 1					
			0.75	2	4	6	Purge Method: SEE PAGE 1					
0.75	2	4	6	0.02	0.16	0.65	1.47	Well Condition: Good; soft well bottom				
Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations	
8:34	0	0	NA	71.00	6.60	21.69	130	1.92	5.77	+191	clear	
8:36	0.5	1.25	0.4	71.01	7.04	22.37	92	1.93	4.72	+105	" "	
8:38	1	2.5	0.6	71.02	7.32	22.54	72	1.93	4.58	+63	" "	
8:40	1.5	3.75	0.6	71.05	7.44	22.65	29	1.93	4.64	+68	" "	
8:42	2	5	0.6	71.07	7.49	22.70	13	1.93	4.58	+82	" "	
8:44 <sup>NC</sup>	2.5	6.25	0.6	71.06	7.50	22.72	14	1.92	4.54	+86	" "	
Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	22.1680% Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification				
8:33	8:46	0.58	7.5	3	73.84	71.08	8:50	TMW-6_W6091802_0001				
Notes:											Field Blank FG-TAIT091802_0001 at 8:37	

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid



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## Groundwater Sampling Data Sheet

Project Name: Sept. 2002 GW Sampling - BPC Former C-6				Date: 9/18/02							
Project No.: EM2303				Prepared By: NC/RK							
Well Identification: TMW-7				Pump Intake Depth (ft-bmp): ~ 70							
Measurement Point Description: TOC - Blackmark											
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)					
NA	(66.36)	83.71	17.35	NA	2.8 (~3)	8.4 (~9)					
Well Diameter (in)		Gallons/Foot			Field Equipment SEE PAGE 1						
		0.75	2	4	6	Purge Method: SEE PAGE 1					
0.75	2	4	6	0.02	0.16	0.65	1.47	Well Condition: Good, soft well bottom			
Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
11:46	0	0	NA	66.69	7.46	24.47	340	2.05	6.24	+126	slightly silty
11:49	0.5	1.5	0.4	66.67	7.15	24.42	180	2.01	4.73	+128	mostly clear
11:51	1	3	0.75	66.68	7.24	24.46	80	1.97	4.25	+116	clear
11:54	1.5	4.5	0.5	66.67	7.40	24.39	45	1.94	4.00	+103	" "
11:57	2	6	0.5	66.68	7.45	24.27	41	1.94	3.92	+96	" "
12:00	2.5	7.5	0.5	66.65	7.49	24.36	20	1.92	3.83	+91	" "
12:03 Purge Start Time	3	9	Average Flow (gpm)	Total Gallons Purged	7.50	24.38% Recovery Water Level Depth	1.92	Sample Collection Time	3.78	+90	Sample Identification
11:45	12:03	0.55	9	3	69.83	66.66	12:05	TMW-7-W6091802-0001			
Notes:											

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid



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## Groundwater Sampling Data Sheet

Project Name: Sept. 2002 Gw Sampling - BRC Former C-6				Date: 9/18/02								
Project No.: EM2303				Prepared By: NC/RK								
Well Identification: TMW-5				Pump Intake Depth (ft-bmp): ~ 71								
Measurement Point Description: TOC - Bluemark												
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)						
NA	67.72	83.19	15.47	NA	2.5	7.5						
Well Diameter (in)		Gallons/Foot		Field Equipment: SEE PAGE 1								
		0.75	2	4	6	Purge Method: SEE PAGE 1						
0.75	(2)	4	6	0.02	0.16	0.65	1.47	Well Condition: Good; soft well bottom				
Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations	
12:50	0	0	NA	67.95	7.53	23.51	>990	1.40	6.63	+93	Somewhat silty	
12:52	0.5	1.25	0.4	68.00	7.18	23.13	380	1.41	3.54	+71	mostly clear	
12:54	1	2.5	0.6	67.96	7.14	23.46	270	1.40	3.35	+73	clear	
12:56	1.5	3.75	0.6	67.97	7.27	23.55	180	1.37	3.74	+69	" "	
12:59	2	5	0.4	67.95	7.45	23.59	98	1.34	4.20	+66	" "	
13:02	2.5	6.25	0.4	67.97	7.50	23.68	53	1.32	4.40	+69	" "	
13:05 Purge Start Time:	3	7.5	0.4	67.95	7.53	23.780%	21	Water Level at Sampling Time (ft-bmp)	1.31	Sample Collection Time	4:57	+71
		Average Flow (gpm)	Total Gallons Purged:			Recovery Water Level Depth						Sample Identification
12:49	13:05	0.4	7.5	3	70.81	67.95	13:10	TMW-5_WG091802_0001				
Notes:												

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid



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### Groundwater Sampling Data Sheet

Project Name: Sept. 2002 GW Sampling - BRC Former C-6				Date: 9/19/02							
Project No.: EM2303				Prepared By: NC							
Well Identification: TMW-3				Pump Intake Depth (ft-bmp): ~68.5							
Measurement Point Description: Top - Bluemark											
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)					
NA	65.28	81.59	16.31	NA	2.6	7.8					
Well Diameter (in)		Gallons/Foot			Field Equipment: Solinst, Horiba U-22, Generator, 2" EZ-Reel Pump, Rediflow						
		0.75	2	4	6	Purge Method: 2" Submersible Pump					
0.75	2	4	6	0.02	0.16	0.65	1.47	Well Condition: Good; Soft well bottom			
Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
8:30	0	0	NA	65.61	6.70	21.67	7990	1.70	7.05	+173	Silty
8:33	0.5	1.3	0.40 <sup>NF</sup> <sub>0.3</sub>	65.63	6.97	22.59	700	1.70	6.44	+121	Slightly silty
8:35	1	2.6	0.45	65.58	7.14	23.53	>990	1.69	6.21	+83	silty
8:38	1.5	3.9	0.4	65.61	7.25	23.97	600	1.68	6.08	+57	Slightly silty
8:42	2	5.2	0.3	65.64	7.28	23.77	180	1.67	6.16	+49	clear
8:45	2.5	6.5	0.4	65.65	7.31	23.72	49	1.66	6.32	+41	" "
8:48	3	7.8	0.4	65.64	7.32	23.680%	Water Level at Sampling Time (ft-bmp)	1.65	6.39	+47	" "
Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	Recovery Water Level Depth	Water Level at Sampling Time (ft-bmp)	Sample Collection Time				Sample Identification
8:29	8:48	0.4	~8	3	68.54	65.64	8:50				TMW-3-WG091902-0001
Notes:											

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid



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## Groundwater Sampling Data Sheet

Project Name: Sept. 2002 GW Sampling - BRC Forman C-6

Project No.: EM 2303

Well Identification: DAC - P1

Measurement Point Description: T0C - NC Redmark

Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)	Field Equipment: SEE PAGE 1		
							Well Diameter (in)	Gallons/Foot	Purge Method:
0.75	2	4	6	0.02	0.16	0.65	1.47	Well conditions: Good	Soft well bottom
0.75									
9:17	NA	1.5	NA	67.58	69.4	23.34	16	2.18	2.50
9:22	0.5	8	1.3	68.05	7.22	23.75	1	2.32	4.28
9:28	1	16	1.3	68.06	7.26	23.79	4	2.35	5.06
9:34	1.5	24	1.3	68.07	7.31	23.83	6	2.36	5.33
9:40	2	32	1.3	68.10	7.33	23.84	6	2.34	5.40
9:46	2.5	40	1.3	68.12	7.33	23.85	6	2.35	5.50
9:52	3	48	1.3	68.12	7.34	23.87	60	Water Level at Sampling Time	Sample 5.98
									Collection Time
									Sample Identification
9:16	9:52	1.3	48	3	70.80	68.12	9:55	DAC_P1_N6091902_001	
									Collected Field Blank FO-TAIT091902-001 at 9:20

Notes:

ft-bmp = feet below measuring point  
LNAPL = light non-aqueous phase liquid



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### Groundwater Sampling Data Sheet

Project Name: Sept. 2002 GW Sampling - BRC Former C-6 Project No.: EM2303 Well Identification: TMW-2 Measurement Point Description: TDC - Black mark				Date: 9/19/02 Prepared By: NC/RK Pump Intake Depth (ft-bmp): ~73							
Depth to LNAPL (ft-bmp)	Depth to Static Water Level (ft-bmp)	Well Total Depth (ft-bmp)	Water Column Height (ft)	LNAPL Thickness (ft)	One (1) Casing Volume (gallons)	Three (3) Casing Volumes (gallons)					
NA	70.07	85.28	15.21	NA	2.4 (~2.5)	7.2 (~7.5)					
Well Diameter (in)		Gallons/Foot			Field Equipment: SEE PAGE 1						
		0.75	2	4	6	Purge Method:	SEE PAGE 1				
0.75	2	4	6	0.02	0.16	0.65	1.47	Well Condition: Good, soft well bottom			
Time	Casing Volumes Purged	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	pH	Temperature (°C)	Turbidity (NTU)	Conductivity mS/cm	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
10:27	0	0	NA	71.15	6.52	22.91	39	3.55	3.99	-122	clear, odor
10:32	0.5	1.25	0.25	71.38	6.52	23.59	27	3.53	0.66	-138	clear w/ black particles, odor
10:35	1	2.5	0.4	71.55	6.62	23.94	27	3.63	0.45	-151	"
10:37	1.5	3.75	0.6	71.62	6.66	23.97	13	3.55	0.32	-157	clear, odor
10:40	2	5	0.4	71.69	6.73	23.89	4	3.49	0.20	-164	"
10:42	2.5	6.25	0.6	71.79	6.74	23.84	3	3.47	0.18	-168	"
10:44	3	7.5	0.6	71.80	6.74	23.91	80% Recovery Water Level Depth	3.43	0.16	-169	"
Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged		Water Level at Sampling Time (ft-bmp)	Sample Collection Time				Sample Identification
10:27	10:44	0.5	7.5	3	73.11	71.80	10:47	TMW-2_WG091902_0001			
Notes:											

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid